FILE NOTATIONS

Entered in N I D File	✓	Checked by Chief	✓
Entered On S R Sheet	✓	Copy N I D to Field Office	✓
Location Map Pinned	✓	Approval Letter	Unit
Card Indexed	✓	Disapproval Letter	
I W R for State or Fee Land			

COMPLETION DATA:

Date Well Completed 5/4/60 — Location Inspected

OW ___ WW ___ TA ___ — Bond released

GW 1 OS ___ PA ___ — State of Fee Land

LOGS FILED

Driller's Log 5/18/60

Electric Logs (No.) 1

E ___ I ___ E-I ✓ GR ___ GR-N ___ Micro ___

Lat ___ Mi-L ___ Sonic ___ Others ___

13 3/8 → 168'

Wasatch 7250

Rework

FILE NOTATIONS

Entered in N I D File		Checked by Chief	
Entered On S R Sheet		Copy N I D to Field Office	
Location Map Pinned		Approval Letter	
Card Indexed		Disapproval Letter	
I W R for State or Fee Land			

COMPLETION DATA: non comercial gas well

Date Well Completed 11-3-61 — Location Inspected

OW ___ WW ___ TA ___ — Bond released

GW ___ OS X PA ___ — State of Fee Land

LOGS FILED – Well History ✓ duplicate

Driller's Log ___

Electric Logs (No.) ___

E ___ I ___ E-I ___ GR ___ GR-N ___ Micro ___

Lat ___ Mi-L ___ Sonic ___ Others ___

Wasatch 4255

5½ → 5672'

BLM as Water Well, 1964

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG X ELECTRIC LOGS X FILE X WATER SANDS _____ LOCATION INSPECTED _____ SUB. REPORT/abd. 9-9-64

*AS PER PHONE CALL ON 4-23-82
WELL STARTED PRODUCING IN JUNE 1963-4883 MCF
*9-7-64 WELL SHUT IN PREP. TO TURN OVER TO USGS BLM AS A WATER WELL
*AUGUST 17, 1964 is a water well

DATE FILED 2-29-60

LAND: FEE & PATENTED STATE LEASE NO. PUBLIC LEASE NO U-01470 INDIAN

DRILLING APPROVED 2-29-60 In Unit

SPUDDED IN: 4-10-60

COMPLETED: 5-16-60 PUT TO PRODUCING: 9-4-64

INITIAL PRODUCTION: 2000MCF/D

GRAVITY A.P.I.

GOR:

PRODUCING ZONES: 5038-5083G, 5587-5610

TOTAL DEPTH: 5672

WELL ELEVATION: 5232 5243

DATE ABANDONED:

FIELD: ~~UINTAH~~ Natural Buttes

UNIT:

COUNTY: UINTAH

WELL NO. UINTAH UNIT #2 API NO. 43-047-16530

LOCATION 662 FT. FROM (N) (S) LINE. 657 FT. FROM (E) (W) LINE. NW NW 1/4 – 1/4 SEC. 35

TWP	RGE	SEC.	OPERATOR	TWP	RGE	SEC.	OPERATOR
10S	20E	35	DEKALB AGRICULTURAL ASSN.				

OPERATOR: DeKalb Agricultural Association, Inc.

LEASE: U-01470

WELL: # 2 Uintah Unit

LOCATION: NW NW Section 35, T 10 S, R 20 E (S.L.M.)
Uintah County, Utah

ELEVATION: 5232.8 G. L., 5243 K. B.

COMMENCED: April 10, 1960 2:30 P.M.

SET SURFACE: April 13, 1960 3:10 A.M.

FROM UNDER SURFACE: April 16, 1960

REACHED TOTAL DEPTH: May 4, 1960 12:10 A.M.

COMPLETED: May 17, 1960

TOTAL DEPTH: 5672' Driller

LITHOLOGY: M. C. Johnson

PRODUCTION: 2,000 MCFGPD

CASING: Surface: Set 13-3/8", 48#, H-40 csg. at 168' with 200 sacks cement plus 2% Ca Cl.
Production: Set 5-1/2, 15.5# and 14#, J-55, csg. at 5672' with 300 sacks cement.

HOLE SIZE: Drilled 11" pilot hole to 172 feet. Reamed out to 17-1/2" hole to 170 feet.
Drilled 7-7/8" hole from 172 to 5672 feet.

CONTRACTOR: Miracle and Wooster Drilling Company
Vernal, Utah

TYPE RIG: Wilson Mogul Super 42
Two (2) 14" Mud Pumps

DRILLING TIME: One foot drilling time maintained by use of Geograph

FORMATION TOPS FROM ELECTRIC LOG:

Spud in Uintah Formation	
Green River	'50'
Wasatch	4256'
Total Depth	5672'

LOGS:

Schlumberger	Induction-Electrical Log 168-5632'
McCullough	Gamma Ray-Induction-Cement Log 3000 to 5581'
	Lithologic Log 200' to 5672'
	Portable Mud Logger 5391 to 5672'

CORES: None

DST: None

MUD PROGRAM: Drilled with gasiated water from under surface casing to 5391 feet. At 5391 feet converted to chemical gel and water mud.

LOST CIRCULATION ZONES:

No lost circulation zones were noticed while drilling with gasiated water. In fact the hole was completely filled to check for a loss of fluid below the anticipated zone at 1600 feet. Circulation was lost at 5439 feet after mudding up at 5391. The thief zone appears from logs to be at approximately 1610 to 1700 feet. Lost circulation occured at 5439, 5453, 5495, and 5572' and is presumed to be the same shallow zone breaking down.

WATER FLOWS: The first increase in water was noted at approximately 2000 feet. Every porous sand and limestone encountered below this depth and to 4200 feet appeared to add to the water flow until approximately 200 to 250 barrels of water per hour was flowing, while drilling.

OIL & GAS SHOWS: Very poor and insignificant scattered oil staining was noted in samples in the Green River brown oil shale zone, and in scattered sand lenses. Gas was observed bleeding from dense limestone at 4200 feet to 4220 feet. While making a trip at 4610 and 4900 feet hole appeared to be making a very small amount of gas. A definite but small increase in gas was noted after encountering a drilling break at 5051 to 5078 feet. No other shows of gas were encountered until 5580 to 5605 feet where a 75 unit methane kick accoured from the mud and 6 miles from the sand.

COMPLETION PROCEEDURE:

Perforations:
Dowell abrasijeted (Notched) zones 5606, 5073 and 5061 feet by rotating for 30 minutes at each horizon.

Frac:
Fraced down annulus with 38,000 pounds of 20/40 mesh sand, 31,000 gallons salt water, 1120 pounds J-94, 250 pounds J-98 puls a 300 gallon salt plug (for bottom zone) Average injection rate with sand 25 bbls per minute. Maximum treating pressure 3500 PSI and minimum treating pressure 3050 PSI. Immediate shut in pressure 2200 PSI, after 60 minutes 1550 PSI.
Finished frac at 11 A.M. 5/11/60 and opened well to flow back at 2 P.M. same day.

BIT RECORD

NO.	SIZE	MAKE	TYPE	DEPTH FROM	DEPTH TO	FEET	HOURS
1	7-7/8	HTC	OWV	172	660	488	14-3/4
2	7-7/8	HTC	OWV	660	695	305	10-3/4
3	7-7/8	REED	YTI	965	1085	120	3-3/4
4	7-7/8	REED	YSI	1085	1404	219	11-1/2
5	7-7/8	SEC	M4N	1404	1806	402	13-3/4
6	7-7/8	SEC	M4N	1806	2132	326	11-1/2
7	7-7/8	HTC	OWV	2132	2400	268	10
8	7-7/8	REED	YSI	2400	2675	275	12-1/4
9	7-7/8	REED	YSI	2675	3001	326	11-1/2
10	7-7/8	SEC	M4N	3001	3238	237	12-1/4
11	7-7/8	HTC	OWV	3238	3479	241	
12	7-7/8	SEC	M4N	3479	3672	195	9-3/4
13	7-7/8	SEC	M4N	3672	3988	316	13-1/2
14	7-7/8	SEC	M4N	3988	4174	186	11-1/2
15	7-7/8	HTC	OWV	4174	4361	187	11
16	7-7/8	SEC	M4N	4361	4610	249	12-1/4
17	7-7/8	REED	YSI	4610	4900	290	13-1/2
18	7-7/8	HTC	OWV	4900	5124	224	13-1/4
19	7-7/8	REED	YSI	5124	5391	267	15-1/2
20	7-7/8	HTC	OWV	5391	5495	104	13-3/4
21	7-7/8	HTC	OWV	5495	5632	137	16
22	7-7/8	HTC	OWV	5632	5672	40	

SLOPE TESTS

172 - 0°	2675 - 2°
660 - 1/4°	3238 - 1°
695 - 1/2°	3672 - 1°
1085 - 2-1/4°	4174 - 1-1/4°
1404 - 1-3/4°	4900 - 1°
2132 - 2°	4361 - 1-1/4°

5500-30	Shale, rusty-red, red-purple, red-green, light to dark green, gray, firm, meta-bentonite with trace interbedded light to brite green, very light gray, silt and very fine grained, sandstone, trace medium grained sand very light gray, very light green-white.
5540-50	Shale varicolored as above trace brite green, green, very light gray silt stone, sandstone very poor sample.
5550-90	Shale, varicolored, meta-bentonite, very firm, blocky, sub-waxy, very slightly calcareous with trace gypsum and trace interbedded siltstone, sandstone, very light green-white, very light gray, very fine grained, trace dark gray, black, firm, sub-fissle to blocky shale.
5590-5600	Shale as above with trace siltstone, sandstone, very light green, very light green-white, very light gray, very fine grained, slightly calcareous slightly micaceous firm tite.
5600-10	Sandstone, white, very light green-white, very light gray, medium grained, angular to sub-rounded, clear frosted with trace very light orange and very light pink quartz grains, trace gray to black chert grains, trace brite to very light green interstitial clay, slightly micaceous, slightly calcareous, slightly kaolinitic, firm to slightly friable with very poor to weak trace fair porosity, with considerable cavings very poor sample.
5610-20	Shale and sandstone as above.
5620-30	Shale varicolored with trace silty and sandy streaks.
5632-32	Shale varicolored as above.
5632-40	Shale mudstone, dull and drab varicolored predominate red-brown, gray-green, very firm, blocky scattered occasional trace very light gray, very light green, slightly calcareous siltstone stringers very poor samples.
5640-70	Shale as above.
5672	Shale varicolored as above.

Total Depth 5672.

5050-80	Sandstone, very light gray, light green, with very fine to medium grained, angular to sub-rounded, clear frosted and with trace very light pink very light orange quartz grays, trace gray black chert, trace very light green, interstial clay, slightly micaceous, slightly calcareous, with trace very poor to poor porosity, Sample predominate sand grain due to gasiated water drilling, with considerable shale as above.
5080-5100	Shale, varicolored with silty streaks (considerable sand contaminatéon from above).
5100-50	Shale varicolored predominate red-browns purple-reds, and green-grays, sub-waxy slightly calcareous, blocky, trace gypsum trace interbedded silty and very sandy streaks.
5150-70	Sandstone, very light gray, light green-gray, medium grained, angular to sub-rounded, clear frosted with trace light pink, and light orange quartz grains, trace gray to black chert grains, slightly micaceous trace very light brite green interstitial clay, slightly calcareous, very poor to fair porosity. Saomple predominate sand grains due to gasiated water drilling, with considerable shale cavings.
5170-90	Sandstone as above with trace interbedded varicolored shale.
5190-5200	Shale varicolored as above.
5200-80	Shale, red-brown, purple-red, yellow-red, green-red, purple, green-purple, gray-green, green, sub-waxy, very slightly calcareous, meta bentonite firm blocky, with scattered very silty and very sandy streaks.
5280-5300	Sandstone, very light green-gray, very light gray, fine to medium grained, slightly calcareous slightly micaceous, trace interstitial green shale, fair trace shale as above.
5300-30	Sandstone as above with trace shale.
5330-50	Shale varicolored, slightly calcareous meta bentonite firm, trace gypsum with silty and very sandy streaks.
5350-90	Shale as above, trace gypsum.
5390-5400	Shale as above trace silty and sandy streaks, trace gypsum.
5400-50	Shale varicolored, predominate rusty-red, and red-tan, gray-green sub-waxy meta-bentonite very slightly calcareous fair trace interbedded light green, light gray-green, calcarepus siltstone and very fine grained sandstone, trace gypsum, trace varicolored limestone nodules trace black shale trace coal, contaminated with considerable surface sands and gravels.
5450-90	Shale as above predominate reds, with trace gypsum varing trace silt and sandstone, very light gray, very light green-gray, very fine to medium grained, slightly varicolored quartz grains, slightly calcareous, micaceous.
5490-5500	Shale as above with trace light orange-red soft bentonite shale trace gypsum trace silt and sandstone streaks.

4500-10	Shale, red-purple, red-brown, rusty red, green-red, yellow-brown, light gray-green, sub-waxy lustre, meta-bentonite, very slightly calcareous very scattered white trace white succrosic gypsum, scattered silty streaks.
4510-50	Shale as above with very silty and sandy streaks with sandstone very light red-purple, very light gray-red, very fine to fine grained slightly calcareous argillaceous, very scattered trace gypsum.
4550-90	Shale varicolored as above with very scattered silty and sandy streaks trace varicolored limestone nodules, weak and scattered trace gypsum.
4590-4600	Shale, varicolored with scattered very silty and very sandy, streaks.
4600-40	Shale predominate rusty-red, varicolored, trace siltstone, sandstone, varicolored, very fine to medium grained, argillaceous trace gypsum, trace sandstone contamination from surface after trip.
4640-70	Shale as above with very scattered silty streaks with trace gypsum.
4670-90	Shale as above with scattered silty and sandstone stringers, sandstone, light gray light red-gray, very fine to medium grained, slightly micaceous, trace green interstitial clay, trace white succrosic gypsum.
4690-4700	Shale as above with very scattered silty and sandy streaks trace gypsum.
4700-30	Shale, varicolored, with predominate dull rusty-red, gray-green, slightly sub-waxy meta-bentonite, slightly calcareous, with scattered silty, sandy stain gypsum.
4730-70	Shale as above becoming more silty and sdy. trace gypsum.
4770-4800	Shale as above with fair trace siltstone and sandstone, varicolored very fine to medium grained, argillaceous, slightly micaceous.
4800-10	Shale varicolored, sub-waxy, meta-bentonite, firm, blocky, very slightly calcareous with trace interbedded white succrosic gypsum very scattered silty and sandy streaks.
4810-20	Shale as above with fair trace silty and sandy inclusions.
4820-80	Shale varicolored as above predominate, red-brown, purple-red, rusty-red and gray-green, green, with fair trace white succrosic gypsum, with very scattered silty and sandy streaks
4880-4900	Shale as above with fair trace silty and sandy streaks.
4900-5000	Shale, purple, purple-red, red-brown, gray-green, green, yellow-tan, sub-waxy slightly calcareous with interbedded trace gypsum, with very scattered trace silty streaks.
5000-50	Shale varicolored as above with trace gypsum trace silty and sandy streaks.

4040-50	Sandstone, very light green, very light green-gray, fine to medium grained, angular to sub-angular, clear frosted, with trace very light orange, orange very light pink quartz grains, with occasional gray to black chert grains, calcareous, slightly argillaceous, firm tite with scattered poor porosity, trace varicolored shale.
4050-4090	Shale, light green, light gray-green, light gray, red-green, purple-red, yellow-green, tan, orange-purple, waxy slightly calcareous firm, blocky with very scattered silty streaks.
4090-4100	Shale as above with fair trace limestone tan, brown, amber micro-xln, slightly oolitic with very argillaceous streaks trace siltstone, sandstone light gfeen, very fine to fine grained argillaceous.
4100-40	Limestone, tan, brown amber micro-xln, slightly oolitic and ostracodal trace very light amber chert, interbedded tan to brown dolomite to limy shale inclusions, trace varicolored shale.
4140-50	Limestone, tan, brown, cream-tan, crypto to micro-xln oolitic ostracodal den tite with very occasional trace amber chert trace varicolored shale.
4150-60	Limestone cream-tan, very light tan, micro-xln, oolitic, ostracodal, trace varicolored silty, shale.
4160-80	Shale varicolored with trace limestone as above.
4180-90	Shale, light green, gray-green, red-green, purple-red, purple-green, purple-brown, sub-waxy firm, slightly meta-bentonite with weak trace pyrite.
4190-4200	Siltstone, sandstone very light gray, very light green-gray, very fine to medium grained, slightly calcareous, trace green interstitial clay, and varicolored shale predominate green-gray and purple-red.
4200-30	Shale varicolored with interbedded siltstone, sandstone stringers.
4220-40	Shale varicolored with interbedded siltstone, sandstone stringers trace limestone tan, oolitic, slightly silty and sandy, den tite with scattered trace very poor porosity sample cuttings bleeding a little gas.
4240-50	Shale varicolored, sub-waxy, slightly calcareous, meta-bentonite.
4250-4300	Shale varicolored predominate gray-green, rusty-red, red-purple with scattered silty streaks.
4300-4400	Shale mudstone, varicolored, predominate rusty-red, and gray-green, sub-waxy, very slightly calcareous with scattered very silty and slightly sandy streaks.
4400-60	Shale predominately gray-green and rusty-red, with purple-red, green-red, red-brown, tan, yellow-brown slightly sub-waxy slightly calcareous, firm, blocky, with scattered silt and slightly sandy streaks, occasional trace white gypsum.
4460-4500	Shale, varicolored as above with fair trace silty and sandy redbrown shale.

3690-3700	Shale green, gray-green, calcareus sub-waxy lustre.
3700-50	Shale gray-tan, tan, green-tan, gray-green, limy, firm, with very silty streaks trace buff-tan limestone.
3750-60	Shale, tan, brown, gray-brown dolomite to limy, firm, blocky waxy trace dolomite, brown, tan crypto to micro-xln, dne tite with trace ostracoda, trace brown oil stain weak trace fgee brown oil.
3760-90	Shale as above with weak trace gray-green shale, fair trace limestone and dolomite as above trace ostracoda.
3790-3800	Dolomitic limestone, limestone, tan, brown, gray-brown, amber, crypto to micro-xln, brittle, den, tite, trace gray-green, shale.
3800-20	Shale, green, gray-green, with trace red-green, dull red-purple slightly calcareous slightly sub-waxy with silty and sandy streaks.
3820-30	Shale, green, gray-gree, with considerable purple-red, yellow-red, red-brown, silty, slightly sub-waxy, slightly calcareous with limestone white, den, sandy.
3830-40	Shale as above with very silty and very sandy streaks.
3840-50	Siltstone, sandstone, very light green, very fine to fine grained, argillaceous, calcareous with good trace shale as above.
3850-60	Siltstone, sandstone, very light gray, very light red-brown, very fine to fine grained, trace varicolored quartz grains.
3860-70	Sandstone, very light green-gray, light green, fine to medium grained, angular to sub-angular, clear frosted, with light pink and orange quartz grains, trace gray to black chert, trace brite green interstitial clay, slightly argillaceous, trace varicolored shale.
3870-90	Siltstone, sandstone as above becoming predominate varicolored shale, shale, gray-green, green, with trace red-purple, red-brown, red-green, with silty and very sandy inclusions.
3890-3900	Sandstone, very light green-gray, very light green, fine to medium grained, angular to sub-angular, trace shale as above.
3900-10	Shale, varicolored with silty and sandy streaks.
3910-20	Siltstone, sandstone white light gray varicolored with trace varicolored shale as above.
3920-40	Shale varicolored with very silty and sandy streaks.
3940-50	Interbedded siltstone, sandstone and shale above.
3950-70	Shale varicolored with siltstone and sandstone stringers.
3970-90	Shale varicolored with siltstone and sandstone stringers, fair trace limestone tan, gray-tan ostracodal, oolitic.
3990-4000	Shale varicolored, sub-waxy lustre, meta-bentonite, firm, blocky with scattered slightly silty streaks.
4000-20	Sandstone, very light gray, very light green, very fine to medium grained, angular to sub-rounded with trace limestone tan oolitic, ostracodal micro-xln, trace varicolored shale.
4020-30	Shale varicolored with siltstone, siltstone, sandstone as above.
4030-40	Shale varicolored with scattered siltstone, sandstone streaks.

3340-50	Shale as above with fair trace gray-brown, brown, firm, dolomite shale fair trace limestone brown to cream-tan den, slightly oolitic, fair trace interbedded siltstone, sandstone, light gray white, very fine grained calcareous.
3350-60	Shale as above with less brown shale trace siltstone, sandstone.
3360-80	Shale light gray, green-gray, gray-tan, slightly calcareous, slightly micaceous, with interbedded siltstone, sandstone trace red-brown, tan, den limestone.
3380-90	Shale green, gray-green, calcareous slightly sub-waxy, slightly micaceous, with silty inclusions.
3390-3400	Siltstone, sandstone, light tan, very light gray, very fine to fine grained, calcareous very slightly micaceous, slightly argillaceous, trace shale.
3400-50	Sandstone as above very scattered trace very poor porosity, with trace green, gray-green, slightly calcareous shale.
3450-70	Shale, gray-tan, green-tan, green-gray, calcareous sub-waxy, slightly micaceous, with scattered silty and sandy streaks.
3470-80	Shale light to very dark gray, gray-green, slightly calcareous, sub-waxy, firm,.
3480-90	Shale brown, gray-brown, dolomite to limy, firm, with silty streaks.
3490-3500	Shale, gray-green, calcareous sub-waxy good trace limestone cream-tan, micro-xln, oolitic slightly ostracodal trace silty stone and sandstone.
3500-10	Limestone cream-tan, gray-tan, micro-xln, oolitic ostracodal, with scattered silty and sandy streaks, fair trace shale as above.
3510-30	Shale gray-green, gray-tan, light gray, calcareous slightly sub-waxy lustre, firm, blocky very scattered silty and sand-stone inclusions.
3530-40	Shale as above with good trace tan, brown, gray-brown, dolomite to very limy, firm shale, trace cream-tan, micro-xln, slightly oolitic limestone.
3540-60	Shale, gray-brown, brown, tan, dolomite to limy, firm.
3560-3600	Shale as above becoming very dark brown, firm, dolomite, oil shale, trace tan, micro-xln limestone.
3600-40	Shale, gray, gray-green, calcareous slightly micaceous, firm, with fair interbedded siltstone, sandstone, light gray, very light tan-gray, very fine to fine grained calcareous with very scattered trace very poor porosity weak trace brown oil stain.
3640-60	Shale tan to brown, limy to dolomitic, firm, and gray-green shale trace siltstone, sandstone white very light gray, very calcar-eous with occasional trace brown oil stain, slightly musty odor trace tan limestone.
3660-70	Shale gray-green, gray, slightly calcareous sub-waxy, firm, sub-fissle.
3670-80	Limestone, tan, cream-tan, micro-xln, very argillaceous, with shale as above trace silty streaks.

3060-90	Dolomitic limestone tan, gray-tan, gray-brown, brown, crypto to micro-xln, slightly argillaceous den tite trace red-brown, tan, dolomite shale, scattered silty and sandy streask.
3090-3100	Limestone, gray-tan, tan, oolitic, ostracodal, with trace micro-xln, limestone, trace sacattered thin sandy streaks.
3100-10	Siltstone, sandstone, white, very light gray, very light tan-white, very fine to fine grained, calcareous to limy with interbedded limestone as above.
3110-20	Interbedded oolitic, fragment limestone and thin silty and sandy streaks, as above.
3120-30	Siltstone, sandstone light gray, gray-tan, very fine grained, slightly micro oolitic, calcareous, micro-micaceous, firm, tite.
3130-40	Shale, gray, green-gray, firm, blocky, calcareous, with interbedded silty and sandy streaks.
3140-50	Interbedded siltstone, sandstone, light gray, light gray-tan, very fine to fine grained, calcareous very slightly oolitic with considerable varicolored quartz grains, micaceous with white trace brown oil stain, and trace shale green, gray green, calcareous blocky.
3150-70	Sandstone and shale as above with increase in green shale trace oil stain.
3170-80	sandstone and shale as above becoming predominate green, gray green shale.
3180-90	Sandstone and shale as above.
3190-3200	Shale light gray, light green-gray, gray-green, calcareous slightly silty, slightly micro-micaceous, firm with interbedded silty and sandy streaks.
3200-30	Sandstone white, very light gray, fine to medium grained, calcareous, slightly micaceous, with trace gray micro-oolites, friable with trace very poor to fair porosity, trace light green, light gray-green shale.
3230-50	Missing.
3250-60	Shale, green-gray, light to medium gray, green-gray, calcareous firm, blocky slightly sub-waxy with scattered silty streaks.
3260-80	Shale as above becoming predominate brown, gray-brown, trace silty stone, sandstone white, very fine grained very calcareous slightly micaceous.
3280-90	Shale as above predominate, gray-brown, gray-green, gray with interbedded silt and sandstone.
3290-3300	Shale, gray-green, gray, calcareous very slightly silty, with trace cream-tan, crypto xln limestone.
3300-10	Shale green, gray-green, calcareous slghttly micaceous, with very silty and sandy inclusions.
3310-40	Shale as above becoming more gray, gray-green, trace limestone cream-tan, micro-xln, oolitic fair trace silty and very fine grained sandstone stringers, trace brite green shale trace pyrite.

2820-30	Shale and sandstone as above with good trace shale brown, tan, gray-tan, dolomite, firm blocky with trace gray-brown, den, oolitic limestone.
2830-40	Limestone, cream-tan, cream-white, cream-gray, crypto to micro xln, oolitic, fragment, with interbedded, very light gray, very light green-gray, calcareous slightly argillaceous siltstone and sandstone, estracodal.
2840-60	Limestone, sandstone as above becoming predominate very light gray, calcareous shale.
2860-70	Sandstone, white very light gray, very fine to fine grained, calcareous, slightly micro-micaceous, clean well sorted and poor to fair porosity.
2870-80	Sandstone as above becoming predominate shale, very light gray, light tan-gray, clacareaous firm.
2880-90	Siltstone, sandstone as above with decrease in shale.
2890-2900	Sandstone, white, fine to medium grained, angular to sub-rounded, clear frosted with occasional very light pink, amber very light orange quartz grains, with scattered trace light gray to black chert grains, calcareous friable with trace very poor to fair porosity, fair trace shale light gray-tan, gray, calcareous micaceous blocky.
2900-10	Limestone, tan to brown, light gray-brown, micro-xln, firm, tite with interbedded gray-tan gray, calcareous blocky shale.
2910-20	Limestone light gray, light gray-tan, very argillaceous silty den tite.
2920-30	Shale green, gray-green, sub-waxy calcareous with interbedded, sandstone light gray, very fine grained, limy trace tan to brown den, fragment limestone.
2930-40	Siltstone sandstone, white very light gray, very fine to fine grained very calcareous slightly micaceous with occasional trace brown oil stain, with trace shale light gray, gray-tan, calcareous, micaceous.
2940-50	Siltstone, sandstone as above becoming very limy firm tite, trace limestone very light tan, very light gray tan, micro-xln, oolitic ostracodal.
2950-60	Interbedded sandstone as above and limestone tan, cream-tan, fragment micro-xln, oolitic slightly ostracodal den tite.
2960-70	Shale, green, gray-green, green-purple, green-red, dull puple-red, firm, blocky, silty with trace interbedded very fine grained, light gray limy sandstone and siltstone.
2970-80	Shale gray to green-gray, firm, blocky slightly calcareous, and interbedded light gray, very fine grained limy sandstone.
2980-3000	Shale drab varicolored, slightly calcareous firm, blocky, slightly micro-micaceous, with interbedded limy sandstone stringers.
3000-60	Siltstone, sandstone, very light gray, white, very fine to fine grained, very calcareous slightly micaceous trace poor porosity with interbedded green-gray, green, green-red, sub-waxy, slightly calcareous slightly silty shale.

2540-80	Shale as above with interbedded limestone cream-white, very light gray-green, den sub-chalky very slightly argillaceous very scattered silty and sandy streaks, trace oolites and ostracoda occasional brown oil fleck.
2580-2600	Sandstone, white, very light gray, very fine to fine grained angular to sub-rounded, clear frosted and occasional very light orange, and pink quartz grain, very scattered trace gray to black chert grains, slightly micro-micaceous, calcareous, firm tite very poor porosity, very scattered trace brown oil stain, occasional trace oolite and ostracoda.
2600-20	Shale light gray-green, light gray, slightly calcareous, firm, blocky, with silty and sandy streaks.
2620-70	Siltstone, sandstone, white, very light gray, very fine to fine grained, calcareous micro-micaceous, with scattered tan, cream-tan, slightly oolitic micro-xln and fragment limestone inclusions, trace gray, light gray-gree shale.
2670-80	Siltstone, sandstone as above with increase in shale.
2680-90	Siltstone, sandstone, white very light gray, light tan-gray, very fine to fine grained, calcareous, firm and interbedded, shale, light gray-tan, firm, blocky, very limy, slightly micro-micaceous.
2690-2700	Siltstone, sandstone and shale as above with fair trace cream-tan, limy cement in sandstone trace ostracoda and oolites.
2700-10	Siltstone, sandstone, as above with fair trace very fine black to tan oolites, trace ostracoda.
2710-20	Siltstone, sandstone as above with fair trace shale light gray-green, light gray, firm, blocky, calcareous, micaceous.
2720-50	Sandstone, white, very light gray, very fine to fine grained, calcareous, slightly micro-micaceous, fairly well sorted, clean, very poor porosity, very weak trace light gray-green, calcareous shale.
2750-60	Siltstone, sandstone as above with considerable shale light gray-green, light gray, calcareous firm, blocky.
2760-70	Limestone, very light gray, cream-gray, micro-xln, very silty slightly argillaceous, trace very light gray, very calcareaous shale.
2770-90	Sandstone, light gray, white, very fine grained, limy with fair trace limestone and shale as above occasional trace oolites.
2790-2800	Limestone, cream-tan, light tan, brown, crypto to micro-xln, with ostracoda and oolites trace ppvp. fair trace interbedded, very light gray, white, very fine to fine grained, sandstone, trace brown oil shale.
2800-10	Sandstone, limestone and shale as above with weak trace gilsonite. trace oolites and ostracoda.
2810-20	Shale light gray, gray, slightly calcareous micaceous, with considerable silty and sandy inclusions very slightly ostracodal.

2320-30	Same as above with increase in gray-green, tan, brown, sub-waxy, calcareous, shale.
2330-40	Limestone, cream-tan, buff-tan, cream-white, crypto to micro-xln, fragment, slightly oolitic den, tite, with sub-chalky streaks, trace tan to light brown argillaceous streaks.
2340-70	Siltstone, sandstone, very light gray, very light green-gray, very fine to fine grained, calcareous tite and interbedded thin gray-green, gray, micaceous, calcareous shale strengers.
2370-80	Siltstone, sandstone as above with considerable very light gray-tan, buff-tan, firm, blocky silty shale.
2380-2400	Missing.
2400-20	Sandstone, white, very light gray, very fine to fine grained, a angular to sub-rounded, clear slightly frosted, with occasional light pink to orange quartz grain, with trace gray to black chert grains, slightly micaceous, calcareous, well sorted with interbedded very light tan to brown fragment and ostracodal limestone, trace pyrite, occasiona and widely scattered brown oil stain, trace very light gray shale inclusions, trace poor porosity.
2420-30	Limestone, light cream-tan, very light buff-tan, crypto to micro xln, slightly micro-fragment and oolitic occasional ostracoda firm, tite.
2430-40	Shale, light gray, light green-gray, gray-green, slightly sub-waxy slightly calcareous, firm blocky with interbedded, siltstone and sandstone stringers, slightly micaceous, trace pyrite.
2450-80	Shale and sandstone as above with increse in sandstone, silt-stone, occasional ostracoda occasional light brown oil stained piece sandstone.
2480-90	Siltstone, sandstone, white, very light gray, very fine to fine grained, calcareous lightly micaceous, firm to friable calcareous trace porosity, very scattered very weak light brown oil stain, trace light gray shale.
2490-2500	Limestone white, light cream-white, crypto to micro-xln, micro fragment, sub-chalky.
2500-10	Interbedded limestone as above becoming cream-tan, and shale tan to brown, dolomite to very limy, firm, blocky and thin very silty and very sandy streaks, trace ostracoda.
2510-20	Interbedded limestone and sandstone as above.
2520-30	Interbedded limestone and sandstone as above with shale, light gray, light green-gray, calcareous slightly micaceous trace oolites and ostracoda, limestone becoming tan to brown crypto xln, brittle.
2530-40	Shale, light gray, very light green-gray, calcareous slightly micaceous, with interbedded silty and sandy streaks occasional stain brown, den limestone, trace ostracoda and oolites, trace pyrite.

2040-80	Siltsto[redacted] sandstone light gray, ve[redacted] light green-gray, light tan-geay, white, very fine to fine grained, slightly argillaceous very calcareous, slightly micro-micaceous scattered limy streaks, trace shale, green-gray, tan-gray, calcareous firm.
2080-2100	Limestone, cream-tan, slightly cream-white, crypto to micro-xln, slightly sub-chalky, firm, tite.
2100-30	Limestone as above with occasional brown, elastic, resineous oil shale inclusions.
2130-40	Limestone as above with considerable shale gray, brown-gray, tan, firm, blocky, dolomite, with scatted sub-waxy lustre.
2140-70	Shale, gray, dark-green-gray, calcareous lightly micaceous, with scattered silty and sandy streaks, light gray light gray-white, very fine grained, calcareous hard tite.
2170-80	Shale as above becoming predominate, shale brown, resinous gray-brown, waxy, dolomite firm, blocky, with musty odor, trace buff, cream-tan, den limestone.
2180-2190	Shale, gray, gray-green, calcareous firm, slightly micaceous trace limestone buff, cream-white, cream-tan.
2190-2200	Limestone, cream-tan, cream-white, micro-xln, sub-chalky, slightly micro-fragment, firm, tite no porosity no show.
2200-10	Shale, gray, gray-green, firm, blocky, slightly micro-micaceous with occasional ostracoda, very weak trace limestone as above.
2210-20	Shale as above with trace very light green, waxy shale, slightly increase in limestone.
2220-30	Limestone, cream-tan, cream-white, micro-xln, slightly micro-fragment, slightly sub-chalky firm, tite no porosity, no show.
2230-40	Shale, very light to brite green, light green-gray, calcareous waxy lustre, firm, blocky.
2240-50	Shale, gray-green, gray, calcareous firm, blocky, silty, slightly micro-micaceous.
2250-60	Limestone, tan, cream-tan, crypto micro-xln, den, tite with trace tan to brown argillaceous streaks.
2260-70	Limestone as above with increase in brown, dolomitic limestone and argillaceous streaks.
2270-80	Limestone as above with good trace shale gray-green, green-gray, calcareous, silty, slightly micaceous.
2280-2300	Shale, gray-green, green-tan, gray-tan, calcareous firm, slightly splintery sub-waxy lustre, with trace limy streaks.
2300-10	Shale, light gray, gray-green, gray-tan, green-tan, calcareous sub-waxy, slightly micro-micaceous, trace tan, gray-tan, limy inclusions.
2310-20	Interbedded limestone, cream-white, cream-tan, very light tan, crypto to micro-xln, micro-fragment, slightly sub-chalky with occasional oolities, den, tite, with occasional traeepyrite, and siltstone, sandstone, very light gray, very fine to fine grained, calcareous slightly micro-micaceous, firm, tite, weak trace shale.

1820-30	Shale, light to dark gray, gray-tan, dolomite, firm, blocky, with trace pyrite, weak trace mica.
1830-40	Dolomite, dolomitic limestone, cream-tan, very light tan, crypto to micro-xln, oolitic (very poorly sorted) with very poor porosity, very scattered brown oil stain, trace shale as above.
1840-50	Shale, gray, very light gray, firm, blocky, dolomite, slightly micaceous, weak trace pyrite.
1850-60	Dolomite, dolomitic limestone, cream-tan, very light tan, crypto to micro-xln, slightly oolitic, fragment, with very poor sorting, very poor porosity, with very scattered trace brown oil stain.
1860-70	Dolomite, dolomitic limestone as above becoming predominate shale, light gray-tan, tan, light green-tan dolomite firm, brittle.
1870-80	Shale light to dark gray, dolomite, firm, brittle, blocky, with slightly micaceous, trace interbedded very light gray silty streaks.
1880-90	Limestone dolomite, dolomitic limestone cream-white, cream-tan, crypto to micro-xln, with earthy streaks, micro-fragment trace oolitic trace ostracodal with scattered porosity, very scattered trace brown oil stain, trace very light gray calcareous shale.
1890-1900	Shale, very light gray, gray, calcareous, firm, blocky, micaceous with fair trace interbedded sandstone, light gray, very fine to fine grained, calcareous very slightly micaceous, firm, tite, with widely scattered trace brown oil stain.
1900-40	Shale, very light gray, very light gray-tan, dolomite to limy firm, blocky slightly sub-waxy lustre with occasional trace pyrite, musty odor scattered limy inclusions.
1940-50	Limestone dolomitic limestone cream-white, cream-tan, tan, micro-xln, pseudo-oolitic, oolitic fragment with scattered sand grains, weak trace very small ostracoda trace very poor porosity occasional trace bfown oil stain.
1950-60	Interbedded shale, light gray, light gray-tan, dolomite to limy, firm, brittle, trace limestone light gray tan, micro-xln, den tite argillaceous.
1960-70	Limestone, dolomitic limestone, cream-white, cream-tan, tan, crypto micro-xln, oolitic, fragment, with scattered sand inclusions very widely scattered trace porosity occasional trace brown oil stain.
1870-2000	Missing.
2000-30	Limestone dolomitic limestone, cream-tan, cream-white, crypto to micro-xln, oolitic, interbedded and shale, gray, gray-tan, slightly green-tan, dolomite, firm, brittle.
2030-40	Limestone and shale as above with fair trace brown, dark-brown dolomite, brittle shale sample becoming predominate limestone.

1170-1200	Shale as above with trace calcite xls.
1200-50	Shale gray-brown, very light brown, brown, dolomite, firm, blocky, with calcareous xls. trace mica occasional plastic brown shale fragment, trace pyrite, nohculite.
1250-1300	Shale, very light to dark brown, gray-brown, dolomite, firm, blocky, with calcareous xls, trace very light gray, tuffaceous streaks, occasional tracemica, pyrite.
1300-1400	Shale, very light to medium brown, trace gray-brown, dolomite to limy, firm, blocky, with scattered calcareous xls. occasional mica flake. trace dark brown carbonaceous flecks, occasional gray-brown, gray, tuffaceous streaks, musty odor.
1400-50	Shale very light to dark brown, gray-brown, firm, brittle, dolomitic very musty oil shale odor, occasiona very thin silty streaks.
1450-1500	Shale as above with considerable cavings, samples contaminated with diesel from gas well.
1500-50	Shale, very light to very dark brown, gray-brown, dolomite, frim, den, brittle, with musty oil shale odor, occasiona trace dark brown stain, weak trace very dark brown oil
1550-1600	Shale as above with scattered very limy streaks, red-brown, den brittle, trace pyrite, trace black to very dark brown oil stained shale, very musty odor.
1600-50	Shale light to dark brown, red-tan, gray-tan, dolomite to limy, firm, brittle, trace gray, very light green-gray, occasional piece shale with dark brown stain, occasiona trace free brown oil.
1650-80	Shale as above with sweet musty odor scattered brown oil stain.
1680-90	Shale as above with fair trace interbedded, very light green gray, light gray-tan, silty shale.
1690-1700	Shale, light to dark brown, tan, red-tan, gray-tan, dolomite, frim, brittle very scattered occasional trace brown oil stain, scattered limy streaks, musty odor.
1700-30	Shale, gray-tan, gray, dolomite to limy, firm, brittle with very scattered calcareous, and mica.
1730-40	Shale as above becoming predominate tan, with trace sandstone very light gray, fine to medium grained.
1740-50	Shale, tan, gray-tan, dolomite to very limy, firm, brittle, with scattered trace calcite very scattered weak trace light brown oil stain.
1750-60	Shale as above with predominate of light to dark brown, resineous brown, waxy lustre, dolomite, firm, brittle, trace elastic, brown shale, scattered oil stain.
1760-90	Shale tan, gray-tan, buff, trace green-gray, dolomite to limy, firm, brittle, sub-waxy lustre.
1790-1800	Shale as above with trace plastic light brown oil shale, trace honey combed very light buff to very light brown oil stained dolomite.
1800-20	Shale gray, gray-green, gray-tan, tan, brown, dolomite to limy with scattered sub-waxy streaks weak very scattered brown oil stain.

560-600	Interbedded limestone and sandstone as above with scattered oil stain, trace gray-green, gray shale.
600-20	Interbedded limestone, tan to red-tan, den tite slightly argillaceous and siltstone and sandstone light gray very fine to medium grained, micaceous, calcareous, with very weak trace gilsonite.
620-660	Same as above with increase in sandstone, weak scattered oil stain, (good petro odor - condensate from drilling gas).
660-70	Dolomite, dolomitic limestone, light tan, tan, light gray-tan, buff-tan, crypto xln, micro-xln, very firm, brittle, with silty streaks.
670-80	Siltstone, sandstone, light gray, gray, very fine to fine grained, slightly argillaceous calcareous, micaceous, firm, tite with trace dolomite as above.
680-700	Interbedded reddish-tan, dolomitelimestone and sandstone as above with trace pink and orange quartz grains, trace pyrite.
700-20	Shale, light to medium gray, tan to brown, dolomitic to limy firm brittle to sub-fissle, with scattered silty and sandy streaks, trace limestone, white, cream white den tite.
720-60	Shale, light to dark tan, slightly red-tan, very dolomitic to limy firm, blocky, slightly sub-waxy lustre.
760-80	Shale, light to dark tan, slightly red-tan becoming predominately light gray-tan, dolomite to limy, firm, blocky, sbu-waxy lustre.
780-90	Shale as above with good trace interbedded siltstone, sandstone, very light gray, very fine grained, calcareous.
790-800	Shale, gray-tan, light to medium-gray, dolomitic to limy, firm, blocky, very slightly micaceous.
800-50	Shale, tan light tan, gray-tan, dolomite to limy, sub-waxy, lustre, firm, brittle, blocky, very slightly micaceous, trace calcite, nonculite?
850-900	Shale as above.
900-50	Shale, gray-tan, gray, light to dark tan, dolomite to limy, sub-waxy, firm brittle, blocky, occasional trace mica, trace calcite.
950-1000	Shale as above.
1000-50	Shale, very light to dark brown red-brown, gray-brown, dolomite to limy, slightly sub-waxy lustee, firm brittle, with trace pyrite and calcite, strong musty oil shale odor, very scattered slightly oil stain,
1050-1100	Shale as above with musty oil shale odor, very scattered oil stain.
1100-1140	Shale, light to dark brown, red-brown, trace gray-brown, dolomite to limy, slightly sub-waxy lustre, firm, brittle.
1140-60	Siltstone, sandstone, white light gray, very fine to medium grained, with trace dolomite shale as above.
1160-70	Shale, light to dark brown, slightly red-brown, gray-brown, dolomite, firm, brittle, trace sandstone as above very musty odor, trace calcite xls.

200-30	Sandstone, light gray, gray, very fine to medium grained, angular to sub-rounded, poorly sorted, micaceous, trace very light green interstitial clay.
230-40	Siltstone, very light gray, gray, calcareous firm with scattered trace sandstone as above to pyrite, trace shale green-gray, light gray, firm, blocky.
240-60	Siltstone, sandstone very light gray, buff, very fine grained calcareous to limy, good trace limestone, dolomitic limestone buff, cream, buff-gray, micro-xln, slightly silty firm, tite.
260-70	Sandstone light gray, light green-gray, very fine to medium grained, angular to sub-rounded, clear frosted, with occasional chert grains, micaceous, calcareous with trace light green interstitial clay, trace pyrite.
270-80	Siltstone, sandstone as above becoming shaly trace pyrite.
280-300	Shale, green, gray-green, firm, blocky very slightly calcareous with trace siltstone and sandstone inclusions.
300-30	Siltstone, sandstone, very light green, very light green-gray, very fine grained calcareous slightly micaceous trace pyrite, trace interbedded.
330-50	Siltstone, sandstone as above with fair trace shale, gray, green-gray, firm blocky.
350-400	Siltstone, sandstone as above with fair trace dolomitic limestone, buff, reddish-buff firm, tite with slightly trace silty streaks, very slightly oil stained.
400-20	Siltstone, sandstone, very light gray, tan, very fine grained calcareous, slightly micaceous, trace dolomitic limestone tan to reddish-brown, firm, den, tite, very slightly oil stain.
420-40	Siltstone, sandstone, gray, light gray, very light brown-gray, very fine grained, slightly calcareous micaceous with scattered brown oil stain, trace shale gray, green.
440-500	Siltstone, sandstone, light gray to buff gray, very fine grained micaceous, slightly calcareous trace gray-green, silty shale very scattered weak trace brown to tan, shaly dolomitic limestone.
500-20	Siltstone, sandstone, very light gray to gray, buff, very fine grained, calcareous micaceous, slightly shaly with very scattered trace very light tan to brown, dolomitic limestone slightly shaly.
520-40	Limestone dolomitic limestone, red-tan, tan micro to crypto xln. with considerable siltstone, sandstone as above, trace calcite.
540-50	Limestone, dolomitic limestone as above with less silt and sandstone.
550-60	Limestone, dolomitic limestone as above with increase in silt and sandstone.

WELL HISTORY- DEKALB- TEXACO, INC.

UINTAH UNIT WELL # 2

4-5-60 Moved Drilling Rig to Location

4-6-60 Rigging up and digging cellar, 11 men 8 hrs. each. 1 man Truck Driver, 10 Hrs.

4-7-60 Rigging up and digging cellar, 11 men 8 hrs. each. 1 man truck driver, 10 hrs.

4-8-60 Rigging up and drilling Rat Hole. Drilling Rat hole with air compressor to blow cuttings from hole. Finish digging cellar, finish drilling rat hole, move rig over cellar, 12 men, 8 hrs. each.

4-9-60 Rigging up, building new pipe racks, 12 men 8 hrs. each.

4-10-60
0'- 56' Drilling with water.
4-1/2 hours drilling, 4 hours reaming.
12 midnight to 8:00 A. M. - 0' had not broke tour.
8:00 A. M. to 4:00 P. M. - 0' to 20', Spud at 2:30 P. M.
4:00 P. M. to 12 midnight- 20' to 56', Sand stone.
Start work at 8:00 A. M., start pump motors, rig up lights, work on pumps, reaming rat hole, start drilling surface hole at 2:30 P. M. with HtC Retip 11" Bit No. 1. At 2:30 P.M. Drilling 11" hole to 56' at 7:00 P. M. Put on 17-1/2" Pilot Reed Reamer Bit No. 2, ream 17-1/2" hole to 56' at 11:00 P. M., break off reamer, go in hole with 11" HTC Bit No. 1. at 12 midnight.

4-11-60
56'-159' Drilling with Water and Gel.
16-3/4 hours drilling, 2-3/4 hrs. circ.
12 Midnight to 8:00 A. M. - 56' to 63' (7') Sandstone
8:00 A. M. to 4:00 P. M. - 63' to 102' (39') Sandstone
4:00 P. M. to 12 midnight - 102' to 159' (57') Sandstone
12 midnight to 1:00 A. M. washing and circulating to bottom.
1:00 A. M. to 2:00 A. M. work on pumps.
2:00 A. M. to 8:00 A. M. drilling 11" surface hole
8:00 A. M. to 9:00 A. M. drilling surface hole
9:00 A. M. to 10:000 A. M. service rig, 1/4 hr. trying to make connection, could not mixing gel. 10:00 A. M. to 11:00 A. M. circulating hole 1/2 hour. Repair Rotary chain 1/2 hour. 11:00 A. M. to 12 noon, drilling 3/4 hour, condition 1/4 hour. 12 noon to 1:00 P. M., drilling.
1:00 P. M. to 4:00 P. M. trying to made connection, clean and circulate hole. Mixing Gel. 4:00 P. M. to 12 midnight, drilling 11" surface hole, mixed 130 sacks gel, 2 sacks lime.

4-12-60
159'-172'
Ream to
17-1/2" Drilling with water and Gel.
4 Hours. Drilling, 1 hour circulating, 16 hours reaming.
12 Midnight to 8:00 A. M. (159' to 172') 13' Sand and Shalre.
8:00 A. M. to 4:00 P. M. Reaming 17-1/2" hole.

Finish drilling 11" Surface hole at 5:00 A. M.
Circulate 1/2 hour, trip 1/2 hour, out of hole at 5:00 A. M.
Pick up 17-1/2" Reed Reamer Bit No. 2, go in hole, start reaming at 6:00 A. M.
Ream 17-1/2" hole to 170' at 10:00 p. m., circulate 1/2 hour, survey 1/2 hour.
Trip out break off reamer at 12 midnight. Bit No. 1 (11" HTC Retip) made 172' - 20-3/4 hours- 0' to 172'. Bit No. 2 (17-1/2" Reamer) made 170'- 14 hours- 0' to 170', Survey at 150' - 0 Degrees.

4-13-60
Run Casing
W. O. C.

Run 13-3/8" Casing, W. O. C.
Rig up and run 6 Joints 13-3/8" O. D. 48#, R-2, H-40, 8rd. thd. Smls Casing with belled bottom joint, that measured 177.30', overall length, set at 168', KDB. 159.20' Casing in hole, cemented with 200 sacks regular ideal cement plus 2% CC. Plug Down at 3:30 A. M. Cement Circulated, start nippling up to gas drill. W. O. C.

4-14-60

W. O. C. and rigging up to gas drill, drill cement plug, 3 hours drilling cement. Start in hole with 11" htc retip, to drill out cement plug at 3:00 A. M., tag cement plug at 130', start drilling plug at 5:00 A. M. Finish drilling out cement to 170' at 8:00 A. M., out of hole with 11" Bit at 8:30 A. M., continue nippling up to gas drill, change Rotary Table, Install B. O. P.

4-15-60

W. O. C. and finish nippling up. 2 Hours Circulating. Work on mud lines, hook up B. O. P., work on mud pumps, put new Sprocket on Rotary Table and Hook up Rotary Chain, install Shaffer Rotating Head, lay relief Gas line, hook up manifold pick up, OWV 7-7/8", Bit No. 3 with drill collars, go in hole, circulate heavy mud from hole, close B. O. P., test casing to 1,000 psi, had small leak in B. O. P., repair leak, retest to 1,000# psi, held ok. for 1/2 hour. Repair mud lines and Rotary Drive. Putting the tie down on mud lines at 12 midnight.

4-16-60
172' to 385'

Drilling with gas and water.
7-1/4 hours, drilling with gas, 4 hours circulating with water.
12 midnight to 8:00 A. M. (172' to 187') 15' Repairs.
8:00 A. M. to 4:00 P. M. Repairs
4:00 P. M. to 12 midnight (187' to 385') 198' Sand and Shale.
Finish tie down on mud lines at 2:45 A. M., start drilling with gas and water, drilled Kelly down, rotating mandrel, hanging up on rough Kelly Corners of Kelly, beat over, so Mandrel would not go over Kelly, shut off gas and circulate with water from 4:00 A. M. to 8:00 A. M. waiting on welder grinder. Start crinding on Kelly at 8:00 A. M., finish grinding Kelly at 4:30 P. M. Start drilling, still drilling at 12 midnight.

4-17-60
385'-980'

Drilling with Gas and Water.
18-3/4 hours drilling, 3/4 hours circulating
12 midnight to 8:00 A. M. (385' to 660') 275' Sand and Shale.
8:00 A. M. to 4:00 P. M. (660' to 914') 254' Sand and Shale.
4:00 P. M. to 12 midnight (914' to 980') 76' Sand and Shale.
Drill til 6:00 A. M., circulate 1/4 hour, Survey 1/4 hour, trip 1-1/2 hours. Out of hole at 8:00 A. M., back in hole with 7-7/8" OWV Bit No. 4 at 9:00 A.M/ drill til 7:45 P. M. circulate 1/2 hour, trip, out at 9:00 P. M., back in hole with 7-7/8" YTI Bit No. 5 at 9:30 P. M., still drilling at 12 midnight.
Survey at 660'- 1/2 Degree, Survey at 965' - 2-1/4 Degree.

Bit No. 3 made 488'- 14-3/4 Hours, 172' to 660' Sand and Shale.
Bit No. 4 made 305' - 10-3/4 Hours, 660' to 96' Sand and Shale.

4-18-60 Drilling with Gas and Water.
990'-1404' 18-1/2 hours Drilling, 1 hour Circulating.
12 Midnight to 8:00 A. M. (990' to 1085') 95' Sand and Shale.
8:00 A. M. to 4:00 P. M. (1085' to 1282') 197' Sand and Shale.
4:00 P. M. to 12 midnight (1282' to 1404') 122' Sand and Shale.
Drill til 6:00 A. M., circulate 1/2 hour, survey and trip out, back in hole with 7-7/8" YSI Bit No. 6 at 9:30 A. M. Drill til 9:30 P. M., circulate 1/2 hour, trip out, start back in hole with 7-7/8" M4N Bit No. 7. Going in hole at 12 midnight.
Survey at 1085' - 2-1/4 degree, Survey at 1404' - 1-3/4 Degree.
Bit No. 5 made 120' - 8-3/4 hours, 965' to 1085' Sand and Shale.
Bit No. 6 made 219' - 11-1/2 Hours, 1085' to 1404' Sand and Shale.

4-19-60 Drilling with Gas and Water.
1404'-2005' 19-3/4 Hours Drilling.
12 midnight to 8:00 A. M. (1404' to 1641') 237' Sand and Shale.
8:00 A. M. to 4:00 P. M. (1651' to 1900') 259' Sand and Shale.
4:00 P. M. to 12 midnight, (1900' to 2005') 105' Sand and Shale.
Back in hole with Bit No. 7 at 12:30 A. M., drill til 2:15 P. M. depth 1900' fill hole with water to check for lost circulation. After hole was filled formation did not take any fluid, start out of hole at 3:00 P. M., back in hole with 7-7/8" M4N Bit No. 8 at 5:00 P. M. Still drilling at 12 midnight.
Bit No. 7 made 496' - 13-3/4 Hours, 1404' to 1900' Sand and Shale.

4-20-60 Drilling with Gas and Water
2005'-2400' 15-1/4 Hours Drilling, 1/2 Hour Circulating.
12 midnight to 8:00 A. M. (2005' to 2132') 127' Sand and Shale.
8:00 A. M. to 4:00 P. M. (2132' to 2224') 92' Sand and Shale.
4:00 P. M. to 12 midnight (2224' to 2400') 176' Sand and Shale.
Drill til 5:15 A. M., circulate 1/2 hour, survey, trip out, back in hole with 7-7/8" OWV Bit No. 9 at 6:30 A. M. Drill til 6:30 P. M. Had bad drilling line, Contractor will cease drilling until old line is replaced with new line.
Fill hole with water, start trip out at 7:00 P. M., out at 9:00 P. M.
Start mixing mud at 9:00 P. M. storing in 750 bbls. tank for future use.
Mixed 22 sacks Gel, 25# Caustic.
Mixed 12 sacks Baroid, 25# Tannex.
Survey at 2132' - 2 Degrees.
Bit No. 8 made 232' - 11-1/4 Hours, 1900' to 2132' Sand and Shale.
Bit No. 9 made 268' - 9-1/2 Hours, 2132' to 2400' Sand and Sahle.
Had noticeable increase in water with returns, estimate about 40 to 50 bbls. per hour.

4-21-60 Mixing mud, drilling with Gas and Water.
2400'-2550' 7 Hours Drilling.
12 midnight to 8:00 A. M., mixing mud and storing in 750 bbl. tank.
8:00 A. M. to 4:00 P. M., mixing mud and string on new drilling line.
4:00 P. M. to 12 midnight, 2400' to 2550') 150' Sand and Shale.
mixing mud and storing in 750 bbl. tank from 12 midnight to 1:30 P. M.
Put new drilling line on and start in hole at 3:00 P. M., on bottom with 7-7/8" YSI Bit No. 10 at 5:00 P. M. Still drilling at 12 midnight.
Mixed 253 sacks Gel, 140# Caustic, 256 sacks, Baroid, 375# Tannex.
Have 650 bbls mud stored in 750 bbls. tank, gradual increase in water with returns, estimate 80 to 90 bbls. per hour.

4-22-60 Drilling with Gas and Water.
2550'-3001' 17 Hours Drilling, 1 Hour Circulating.
12 midnight to 8:00 A. M. (2550' to 2675') 125' Sand and Shale.
8:00 A. M. to 4:00 P. M. (2675' to 2870') 195' Sand and Shale.
4:00 P. M. to 12 midnight, (2870' to 3001') 131' Sand and Shale.
Drill til 5:15 A. M., 1/2 hour circulating, 1/4 hour survey, trip out, back in hole with 7-7/8" YSI Bit No. 11 at 9:00 A. M., drill til 8:30 P. M. 1/2 Hour Circulating with gas, 1/2 hour Circulating with Water, trip out. Going back in hole at 12 midnight.
Bit No. 10 made 275' - 12-1/4 Hours, 2400' to 2675' Sand and Shale.
Bit No. 11 made 326' - 11-1/2 hours, 2675' to 3001' Sand and Shale.
Survey at 2675' - 2 Degrees, Survey at 3001' - 1 Degree.
Gradual increase in water with returns, est. of 100 to 150 bbls. per hour.

4-23-60 Drilling with Gas and Water.
3001'-3338' 17 Hours Drilling, 1 Hour Ream.
12 Midnight to 8:00 A. M. (3001' to 3114') 113' Sand and Shale.
8:00 A. M. to 4:00 P. M. (3114' to 3238') 124' Sand and Shale.
4:00 P. M. to 12 midnight (3238' to 3338') 100' Sand and Shale.
Back in hole with 7-7/8" M4N Bit No. 12 at 1:45 A. M. drill til 2:00 P. M., trip out, back in hole with 7-7/8" OWV Bit No. 13 at 6:30 P. M., ream 1 hour to bottom, start drilling at 7:30 P. M., still drilling at 12 midngiht.
Survey at 3238' - 1 Degree, Bit No. 12 made 237' - 12-1/4 Hours, 3001' to 3238' Sand and Shale. Water increasing with returns est. 150 to 175 bbls./ Hr.

4-24-60 Drilling with Gas and Water.
3338'-3675' 16-1/4 Hours Drilling, 1 Hour Reaming, 1/2 hour Circulating.
12 midnight to 8:00 A. M. (3338' to 3479') 141' Sand and Shale.
8:00 A. M. to 4:00 P. M. (3479' to 3579') 100' Sand and Shale.
4:00 P. M. to 12 midnight (3579' to 3673') 96' Sand and Shale.
Drill til 6:30 A. M., circulate 1/2 hour, trip out. Back inhole with 7-7/8" M4N Bit No. 14 at 10:00 A. M. Ream to bottom 1 hour, start drilling at 11:00 A. M. Drill til 5:30 P. M., repair mud lines and pump 3/4 hour, drill til 8:45 P. M., circulate 1/2 hour. Trip out, on trip at 12 midnight.
Survey at 3672' - 1 Degree. Bit No. 13 made 141' - 11 Hours, 3238' to 3379'
Bit No. 14 made 196' - 9-3/4 Hours, 3379' to 3673' Sand and Shale.
Water flow with returns, estimate at 175 to 200 bbls. per hour.

4-25-60 Drilling with Gas and Water.
3673'-4065' 17-1/2 Hours Drilling.
Note: Crew go on 12 hour tour,
12 Midnight to 12 noon (3673' to 3907') 234' Sand and Shale.
12 noon to 12 midnight (3907' to 4065') 158' Sand and Shale.
Finish trip in hole, start drilling at 1:00 A. M. Drill til 7:30 A. M. 1/2 hour work on pump, drill til 2:00 P. M., trip out, back in hole with 7-7/8" M4N Bit No. 16 at 7:00 P. M., still drilling at 12 midnight.
Bit No. 15 made 315' - 13-1/2 Hours, 3673' to 3988') Sand and Shale.
Still have good water flow with returns.

4-26-60 Drilling with Gas and Water.
4065'-4361' 17-3/4 Hours drilling, 2 Hours Circulating.

12 midnight to 12 noon (4065' to 4174') 109' Sand and Shale.
12 Noon to 12 midnight (4174' to 4361') 187' Sand and Shale.
Drill til 6:45 A. M., Circulate 3/4 Hours, trip out, back in hole with 7-7/8" OWV Bit No. 17 at 10:30 A. M., circulate 3/4 Hour. Start drilling at 11:15 A. M., drill ti 10:15 P. M., circulate 1/2 Hour, trip out, still on trip at 12 midnight.
Survey at 4361' - 1-1/4 Degree.
Bit No. 16 made 186'- 11-1/2 Hours, 3988' to 4174' Sand and Shale.
Bit No. 17 made 187' - 11 Hours, 4174' to 4361' Sand and Shale.
Still have estimate water flow with returns of 175 to 200 bbls. per hour.

4-27-60
4361'-4645'
Drilling with Gas and Water.
15-1/4 Hours drilling, 1-3/4 Hours Circulating.
12 midnight to 12 noon (4361' to 4549') 119' Sand and Shale.
12 noon to 12 midnight (4549' to 4645') 97' Sand and Shale.
Finish trip, back on bottom with 7-7/8" M4M, Bit No18 at 3:00 A. M., drill til 3:15 P. M., circulate til 4:00 P. M., trip, back in holw with 7-7/8" YSI Bit No. 19 at 7:30 P. M., slip drilling line, start circulating at 8:00 P. M., circulate and wash (30' cuttings) to bottom. Start Drilling at 9:00 P. M. Still drilling at 12 midnight.
Bit No. 18 made 249' - 12-1/4 Hours, 4361' to 4610' Sand and Shale.
Water flow with returns estimate 175 to 200 bbls. per hour.

4-28-60
4645'-4900'
Drilling with Gas and Water.
12-1/2 Hours drilling, 2 hours ream, 1-1/2 hours circulating.
12 midnight to 12 noon (4645' to 4864') 219' Sand and Shale.
12 moon to 12 midnight (4864' to 4900') 36' Sand and Shale.
Drill til 12:30 A. M., had to pump water in drill pipe 1/2 hour to kill gas to make connection (float stuck open) start back to drilling at 1:00 A. M. Drill til 9:30 A. M., made connection and work pipe in tight. Spot 1/2 hour, Drill til 2:30 P. M., strap pipe out of hole at 4900'. Found 21' mistake on driller's tally sheet, corrected to 4921.59', strapping out totaled 4921', back in hole with 7-7/8" OWV Bit No. 20 at 7:00 P. M. Start circulating with gas, found gas off, pull 6 stands off bottom wait on gas, found gas line frozen approximately 1/2 mile from gas well, (about 2 Hours before gas was turned in well it came a hard cold rain followed with 2 or 3" of hail which was still on ground). Bled gas off back of frozen line, pulled bull plug in low place where line was frozen, bled off liquids turned gas back on, went through ok. Start reaming at 4859' at 10:00 P. M. Had 110' fill up, not packed, still reaming at 12 midnight.
Bit No. 19 made 290' - 13-1/2 Hours, 4610' to 4900' Sand and Shale.
Survey at 4900' - 1 Degree.

4-29-60
4900'-5159'
Drilling with Gas and Water.
15-1/2 Hours Drilling, 4-1/4 Hours circulating and reaming.
12 midnight to 12 noon (4900' to 5086') 186' Sand and Shale.
12 Noon to 12 midnight, (5086' to 5159') 73' Sand and Shale.
Finish circulating and washing to bottom start drilling at 1:00 A. M. Drill til 2:15 P. M., circulate and clean hole 3/4 hour, trip, back in hole with 7-7/8" YSI Bit No. 21 at 7:15 P. M. Circulate and wash 180' to bottom, start drilling at 9:45 P. M. Still drilling at 12 midnight.
Bit No. 20 Made 224' - 13-1/4 Hours.- 4900' to 5124' Sand and Shale.
Trip showed small increase in formation gas.

4-30-60
5159'-5391'

Drilling with Gas and Water and mud up.
13-1/2 Hours Drilling, 1/2 hour circulating with gas, 1-1/2 hours circulating with mud.
12 Midnight to 12 Noon (5159' to 5360') 201' Sand and Shale.
12 Noon to 12 Midnight (5360' to 5391') 31' Sand and Shale.
Drill until 1:30 P. M., circulate hole 1/2 hour, trip, out of hole at 4:30 P.M. 1 hour clean pits, 1 hour nipple up to drill with mud. Trip in, back in hole with 7-7/8" OWV Bit No. 22 at 8:30 P. M. Hit bridge at 5,000'. 2 hours displacing water with mud (taking mud from 750 bbl. tank) Start washing to bottom at 10:30 P. M. Still washing at 12 midnight.
Mixed 10 sacks Baroid
Survey at 5391' - 1-1/4 Degree
Bit No. 21 made 267'- 15-3/4 Hours, 5124' to 5391' Sand and Shale.

5-1-60
5391'-5474'

Drilling with Mud, Wt. 9.5, Vis. 56, WL. 7, Ck. 2/32, PH 9, Sand 1/2 of 1%
9-3/4 Hours Drilling, 4-3/4 Hours wash and circulate.
12 Midnight to 12 Noon (5391' to 5439') 47' Shale.
12 Noon to 12 Midnight (5439' to 5474') 35' Shale.
Ream and wash to bottom til 4:15 A. M., start drilling at 4:15 A. M., drill til 9:00 A. M., lost circulation at 5414', trip out, start mixing mud at 12 Noon, mix til 4:00 P. M., mix with 10% LCM, back in hole at 4:30 P. M. Break circulation, get circulation ok. Start drilling at 5:30 P. M. Drill til 6:30 P. M. lost circulation at 5446'. Mix mud without coming out of hole, spot heavy concentrate of L. C. M., get circulation, start drilling at 7:30 P. M. Still drilling at 12 midnight.
Mixed 113 sacks Baroid, 6 sacks Gel, 150# Tannex, 100# Caustic.
Mixed 97 Sacks Gel, 13 sacks Fibertex, 15 sacks Gelflake, 33 sacks Sawdust, 50# Caustic, 75# Tannex.

5-2-60
5474'-5570'

Drilling with mud, Wt. 9.1, Vis. 68, Ck. 2/32, WL 8.4, PH 8.5
12 Hours drilling, 1/4 hour circulating.
12 midnight to 12 noon (5474' to 5495') 21' Shale.
12 noon to 12 midnight (5495' to 5570') 75' Shale.
Drill til 4:00 A. M., lost circulation at 5495', pull 40 stands, mix mud and L. C. M., til 9:00 A. M., finish trip out. Back in hole with 7-7/8" OWV Bit # 23 at 1:45 P. M. Level Derrick 1/2 hour, break circulation 1/4 hour, start drilling at 2:00 P. M. Still drilling at 12 midnight.
Mixed 67 sacks Gel, 40 Sawdust, 10 Fiber Tex, 8 Gel Flake, 35 Palco Seal, 41 Gel, 75# Tannex, 50# Caustic.
Bit No. 22 Made 104' - 13-3/4 Hours, 5391' to 5495' Shale.
Survey at 5495' - 1-1/4 Degree.

5-3-60
5570'-5666'

Drilling with mud, Wt. 9.2, Vis. 63, CK. 2/32, WL. 9.0, PH. 7.6
11-1/2 hours drilling, 2 hours circulating.
12 Midnight to 12 noon (5570' to 5632') 62' Sand and Shale.
12 Noon to 12 midnight (5632' to 5666') 34' Sand and Shale.
Drill til 6:00 A. M., circulate hole til 8:00 A. M., trip, out at 10:00 A. M. Rig up and start logging with Schlumberger'S Induction E Log, go back in hole with Sonic Log, hit bridge at 4195', Rig Schlumberger down, go back in hole with 7-7/8" YSI Bit No. 24, drill out bridges from 4190' to 4300', go to bottom start drilling new formation at 6:30 P. M. Still drilling at 12 midnight.
Mixed 100# Tannex, 75# Caustic,
Bit No. 23 made 137'- 16 Hours- 5495' to5632' Shale.

5-4-60 Drilling with mud, Wt. 9.1, Vis. 63, Ck. 2/32, WL. 9.4, PH 7.6
5666'-5672' 1/2 Hour drilling, 1-1/2 hour circulating
5672' T. D. 12 Midnight to 12 noon, (5666' to 5672') 6' Shale.
12 Noon to 12 midnight, wait on orders.
Drill til 12:15 A. M., losing mud, mix mud til 3:00 A. M., circulate and condition hole to run logs, trip out at 7:00 A. M. Rig up to run Schlumberger Go in hole with Sonic Log, hit bridge at 4473', come out, rig Schlumberger down, wiat on orders. Put Rig on Stand By Time at 12 midnight.
Mis 59 Sacks Gel, 15 Fibertex, 31 sawdust, 7 Gel Flake, 100# Tannex.
Bit No. 24, made 40' - 5-3/4 Hours, 5632' to 5672' Shale.

5-5-60 Wait on Orders, condition hole, prepare to run Casing.
5672' T. D. Wait on orders til 12 noon.
Start in hole at 12 noon with 7-7/8" Bit No. 24, re-run, on bottom at 2:00 P. M. circulate and condition hole til 4:30 P. M., start out of hole laying down drill pipe, out of hole at 9:15 P. M. Break Kelly tool joints, rigging up to run 5-1/2" Casing at 12 midnight.

5-6-60 Running 5-1/2" Casing.
Finis rigging up to run casing at 1:00 A. M., start in hole with 5-1/2" casing, ran 201 Jts., 5-1/2", 15.50#, and 14#, J-55, CF&I and National Tube, R-1 & 2, Short T&C, that measured 5724.47' overall length, set at 5672', KDB. Cement with 300 sacks Regular Ideal Cement, plug down at 11:00 A. M. (May 6, 1960) Will cut off 13' top joint which is 15.50#, pipe and 38 bottom joints is 15.50# pipe, rest of pipe is 14#. Will wait on cement 48 hours. Rig crew take up 180 joints 2" EUE from Gas line to run in well.

5-7-60 W. O. C.
Crew clean tanks, hauled 2" EUE from gas line to well, nippling up to make well completion, strip off B. O .P. Set 5-1/2" slips, cut off 13.09', 5-1/2" casing, tested hanger with pressure. Set tubing spool hanger layed water lines to mix salt moved mud tank from rig to 750Bbl. tank.

5-8-60 Finish laying water lines and nippling up, install B. P. fill water tanks, rig up and run McCullough Gamma Ray Neutron Cement log with collar locator from 5580' to 3000'. Top plug inside 5-1/2" at 5580', top cement outside 5-1/2" at 4564'.
Picking up tubing with 4-3/4" Bit to go inside 5-1/2" casing and drill out cement.

5-9-60 Finish drilling out cement at 1:00 A. M. Drilled to 5654', displace mud with clear water. Come out of hole with 4-3/4" Bit, pick up Dowell, Inc. Abrasijet tool. Go back in hole with collar locator to slot casing. Check collars to find slot no. 1, test B. O. P. to 2,000# tighten up all bolts, nuts on B. O. P.
Retest B. O. P. held ok, Dowell Abrasijet at 5606' for 30 minutes. Wash sand out of hole, close pipe rams, break down formation with 2200# psi, broke back to 1000#. Pull 8 stands locate collars, collar locator. quit working, measured from bottom to locate slot No. 2 & 3.

5-10-60 Dowell, Inc. Abrasijet slot No. 2 at 5073' for 30 minutes, slot No. 3 at 5061' for 30 minutes, circulate sand out of hole, come out of hole, layed down Dowell Tool, went back in hole with slotted collar and open ended on tubing to circulate sand from bottom of hole, circulate 90' sand from hole.

Cleaned out to 5654', circulate and displace drilling water with salt water, layed down 17 stands, left tubing at 4500', rig up well head to sand frac. Mixing salt at 12 midnight.

5-11-60 Rig crew spool on sand line mix salt. Dowell arrive on location at 7:00 A. M. Rig up Sand Frac well down casing annulus with salt water.
Max. Treating Pressure 3500#
Min. Treating Pressure 3050#
Max. Inj. rate with sand 25 bbl. P. M.
Min. Inj. rate with sand 22 bbl. Per Minute
Max. Inj. rate with flush 25 BPM
Min. Inj. rate with flush 22 BPM
Max. sand 2# per Gallon
Min. sand 1# per gallon.
Total bbls. with sand 570 bbls., plus sand volume of 41.8 bbls. Total bbls. with 1# sand per gallon, 200. Total bbls. with 1-1/2# sand per gallon 50. Total bbls. with 2# sand per gallon 320. Total load 765 bbls plus sand vol. Used 300 gallon salt gel block after first 200 bbl. frac. Treatment complete at 10:53 A. M.
Immediate Shut In Pressure 2400# - 15 Minute SIP 1800#
1 Hour SIP 1550#, 2 Hour SIP 1100#
Used total of 38,000# Sand, 150# J-98 Friction Loss and 1094# J-94, Fluid Loss Additive.
Open well at 2:30 P. M., T. P. 900#, start flowing frac water at approx. 70 bbls. per hour, gradually decreasing. Start making sand immediately. Sand increase as flow decrease, well flowed 4 hours died at 6:30 P. M.
Rig up to wash sand out, pick up tubing reverse circulate.

5-12-60 Reverse circulate, wash sand out to 5630', leave tubing at 5616', hook up well head to start swabbing. Start swabbing at 4:00 A. M., swab til 11:00 A. M., well kick off, start flowing, making some sand, flow increase to approximate 3,000,000 CFGD, well flow frac water with some sand til 4:00 P. M. Died, start swabbing make 3 runs, kick off, start flowing, flow til 8:00 P. M. Died, start swabbing, swab -1-1/2 hours, kick off, casing pressure 650# at 9:00 P. M., 700# at 9:30 P. M., 500# at 10:00 P. M. after well start flowing. Put well on 1/2" choke. Did not die, flowing with 200# T. P. and 550# C. P.

5-13-60 Well continue to flow and clean up. Flow increasing sand and frac water decreasing. Kill well to land back pressure valve in Do-Nut to take out B. O. P. Take out B. O. P., hook up well with nipple and valve wait on well head parts. Run swab 3 runs, well kicked off. Release rig at 11:30 A. M. Well flowing estimate of 1,500,000 CFGD. Shut in over night.

5-14-60 Open well at 7:50 A. M. well head Pressure 1650#, open through 1/2" choke 1/2 hour T. P. 500#, C. P. 1135#, 1 hour C. P. 750#, T. P. 500#, Peto 10#. 2 Hour C. P. 600#, T. P. 225#, Peto 8#.
Remove choke, start flowing through 2" blowie line.
3 Hours C. P. 425#, T. P. 50#, Peto 5#
4 Hours C. P. 375#, T. P. 50#, Peto 4#
5 Hours C. P. 325#, T. P. 50#, Peto 3-1/2#
6 Hours C. P. 325#, T. P. 50#, Peto 3-1/2#
7 Hours C. P. 325#, T. p. 50#, Peto 3-1/2#
Making estimate of 10 bbls. frac water, per hour, Shut in at 4:00 P. M.

DATA SHEET
AND PRODUCTION HISTORY
Uintah Unit # 2
NW 35-10S-22E

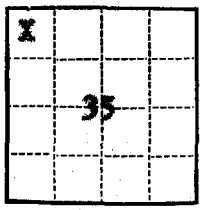
T.D. : 5672'
Tubular Record: 13 3/8" 48# J-55 set @ 168' K.B. w/200 SXS.
5½ 15:50# J-55 set @ 5672 K.B. w/300 SXS.
2 3/8" 47# J-55 set @ 5613'
Perforations: Wasatch abrasive jet 5061, 5073 & 5606
Production History: First production December 1961, initial production rate 218 M.C.F.G.P.D. Produced nine months declined to 65 C.F.G.P.D. S.I. well August 10, 1962. Well S.I. removed from pipe line. Comulative production 1st nine month 28,077 M.C.F. Reconnected well June 1963, production as follows: Produced 14,831 M.C.F. from June to December, 1963. From January through May 1964, well produced 5532 M.C.F. For a total comulative production of 48,440 M.C.F. The average production rate for April 1964, for 32 days was 34 M.C.F.G.P.D.; for the month of May the average production rate for 19 days was 33 M.C.F.G.P.D. for an average daily gross income of $3.45 per day, average operating cost for the month of April and May was $125.50 per month. The average operating cost from January 1964, through May 1964, is $107.18 per month. The well is presently shut in and disconnected from the pipe line. Estimated cost to reconnect the well to the pipe line system is $12,000.00. Rework propests are nil since it is believed the best and most porous zones were opened during the initial completion operations.
The unit operator has attempted by the best known methods to cause a well to produce in paying quanity, but as shown by the production history this well is not a paying well. As unit operator DeKalb recommends abandement of this well as a non-paying gas well. It is futher recommended that this well be asigned to the U. S. Government as an artesian water well.

DEKALB AGRICULATURE ASS'N, INC.

J. F. Tadlock
Prod. Drilling Superintendent

Form 9-331a
(Feb. 1951)

T-10-S



R-20-E

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 42-R358.4.
Approval expires 12-31-60.

Land Office Salt Lake City
Lease No. U-01470
Unit DeKalb- Texaco # 2
UINTAH UNIT

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	X	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

February 26, 19 60

Well No. 2 is located 662 ft. from {N/~~S~~} line and 657 ft. from {~~E~~/W} line of sec. 35

NW/4 NW/4 Sec. 35 (¼ Sec. and Sec. No.) | T-10-S, (Twp.) | R-20-E (Range) | S. L. M. (Meridian)

Wildcat (Field) | Uintah (County or Subdivision) | Utah (State or Territory)

The elevation of the derrick floor above sea level is _____ ft. Not Run

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Anticipated formation tops: Spud in Uintah Formation, Green River- 780', Wasatch 4185'. Total depth of 5600'. Drill with Rotary tools to total depth. Drill with water through lost circulation zones. Mud up as deemed necessary by water and loss circulation materials. Cores and tests will be dependent upon oil and gas shows as well as sand and limestone developments.
We will set approx. 200' of 13-3/8" Surface, 48#, casing, cement with 175 sacks & circulate. Intermediate casing will be set if needed at approx. 1800', 8-5/8", 32#, cemented with 300 sacks.
Production casing, 5-1/2", 15.5# will be set at total depth, cemented with 800 sacks.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company DEKALB AGRICULTURAL ASSN., INC.

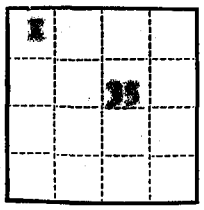
Address Box 523
Vernal, Utah

By Paul Pugh

Title Vice-President and Manager

GPO 862040

Form 9-331a
(Feb. 1951) T-10-S



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 42-R358.4.
Approval expires 12-31-60.

Land Office Salt Lake City
Lease No. U-01470
Unit OKLAHOMA-TEXACO
UINTAH UNIT WELL # 2

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			
		Subsequent report of Spud Date	X

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

April 12, 1960

Well No. 2 is located 662 ft. from {N} line and 657 ft. from {W} line of sec. 35

NW¼ Section 35 (¼ Sec. and Sec. No.)
T-10-S, R-20-E (Twp.) (Range)
S. L. M. (Meridian)
Wildcat (Field)
Uintah (County or Subdivision)
Utah (State or Territory)

The elevation of the derrick floor above sea level is 5038.6 ft. Ground

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

April 10, 1960: Spudded at 2:30 P. M.

April 12, 1960: Total depth 172', 11" hole, running to 17-3/4" hole at 53'. Preparing to run Surface Casing.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company OKLAHOMA AGRICULTURAL ASSN., INC.

Address Box 523
Vernal, Utah

By M. C. Johnson

Title Geologist

GPO 862040

Form 9-331a
(Feb. 1961) 10-3

X		
	35	

20-E

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 42-R358.4.
Approval expires 12-31-60.

Land Office Salt Lake City
Lease No. U-01470
Unit DEKALB- TEXACO
UINTAH UNIT WELL # 2

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL		Surface Casing	X

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

April 16, 1960

Well No. 2 is located 662 ft. from [N] line and 657 ft. from [W] line of sec. 35

NW/4 NW/4 Section 35 (¼ Sec. and Sec. No.) T-10-S, (Twp.) R-20-E (Range) S. L. M. (Meridian)

Wildcat (Field) Uintah (County or Subdivision) Utah (State or Territory)

The elevation of the derrick floor above sea level is 5232.6 ft. Gr.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Spudded April 10, 1960.
Total Depth 172'. 11" hole, reamed to 17-1/2" hole to 170'.
Ran 6 Jts. 13-3/8", Rg. 2, 48#, H-40, Srd. thd. Casing, set at 168'.
Overall length 177.30'. Cemented with 200 sacks regular cement, plus 2% Cal. Ch.
Plug down at 3:10 A. M. April 13, 1960.

W. O. C. 48 hours, tested casing to 1,000# psi for 30 minutes, no indication of loss in pressure after 30 minutes. Started drilling with gas and water at 2:45 A. M. April 16, 1960, 7-7/8" hole.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company DEKALB AGRICULTURAL ASSN., INC.

Address P. O. Box 523

Vernal, Utah

By M. C. Johnson

Title Geologist

GPO 862040

Budget Bureau No. 42-R356.5.
Approval expires 12-31-60.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE Salt Lake City, Utah
LEASE NUMBER
UNIT Uintah Unit

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Uintah Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of April, 19 60,

Agent's address Box 523
Vernal, Utah
Phone 1073

Company DEKALB AGRICULTURAL ASSN., INC.
Signed Saul Pugh
Agent's title Manager

Sec. and ¼ of ¼	Twp.	Range	Well No.	Days Produced	Barrels of Oil	Gravity	Cu. Ft. of Gas (In thousands)	Gallons of Gasoline Recovered	Barrels of Water (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
SENE 16	10S	21E	1	-0-	-0-	-0-	-0-	-0-	-0-	Shut In.
NENE 35	10S	20E	2	-0-	-0-	-0-	-0-	-0-	-0-	Drilling at 5262' Shale Spudded 4-10-60

NOTE.—There were No runs or sales of oil; No M cu. ft. of gas sold; No runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

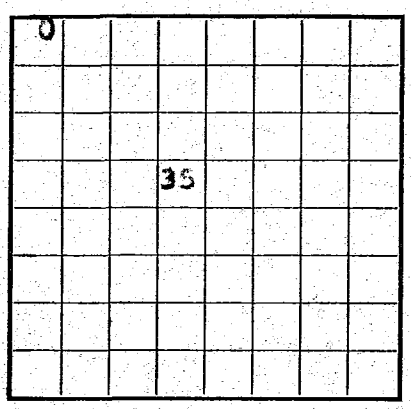
Form 9-329
(January 1950)

16—25766-8 U. S. GOVERNMENT PRINTING OFFICE

Form 9-330

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60

U. S. LAND OFFICE Salt Lake City
SERIAL NUMBER U-01470
LEASE OR PERMIT TO PROSPECT Uintah Unit # 2



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company DeKalb Agricultural Assn., Inc. Address P. O. Box 523, Vernal, Utah

Lessor or Tract Uintah Unit Field Wildcat State Utah

Well No. 2 Sec. 35 T. 10S R. 20E Meridian S.L.M. County Uintah

Location 662 ft. {N./S.} of N Line and 657 ft. {E./W.} of W Line of Section 35 Elevation 5243 K.B.
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed M. C. Johnson

Date May 17, 1960 Title Geologist

The summary on this page is for the condition of the well at above date.

Commenced drilling April 10 60, 19 Finished drilling May 4 60, 19

OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

No. 1, from 5038' to 5083' G No. 4, from ____ to ____

No. 2, from 5587' to 5610' G No. 5, from ____ to ____

No. 3, from ____ to ____ No. 6, from ____ to ____

IMPORTANT WATER SANDS

No. 1, from 2110' to 2160' No. 3, from 2783' to 2980'

No. 2, from 2540' to 2580' No. 4, from 3430' to 3480'

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated From—	Perforated To—	Purpose
13-3/8	48#	8rnd	H-40	168'KB	Open End				Surface
5-1/2	14#,15.5#	8rnd	J-55	5672KB	Guide & Float		5606', 5061'	5073'	Notch for Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-3/8	168'KB	200 sxs reg. cem.	Pump & Plug		
5-1/2	5672'KB	300 sxs reg. cem.	Pump & Plug	9.6#	Hole full

PLUGS AND ADAPTERS

Heaving plug—Material ____ Length ____ Depth set ____

Adapters—Material ____ Size ____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

FOLD | MARK

13-3/8	168' KB	200 sxs reg. cem.	Pump & Plug			
5-1/2	5672' KB	300 sxs reg. cem.	Pump & Plug	9.6#		Hole full

FOLD | MARK

PLUGS AND ADAPTERS

Heaving plug—Material ..... Length ..... Depth set .....

Adapters—Material ..... Size .....

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
Dowell Abrasijet		Sand & Water		5-9-60	5606', 5073' 5061'	5638'

TOOLS USED

Rotary tools were used from Surface feet to 5672 feet, and from ..... feet to ..... feet

Cable tools were used from ..... feet to ..... feet, and from ..... feet to ..... feet

DATES

May 17, 1960 Put to producing Shut In, May 17, 1960

The production for the first 24 hours was ..... barrels of fluid of which .....% was oil; .....% emulsion; .....% water; and .....% sediment. Gravity, °Bé. .....

If gas well, cu. ft. per 24 hours 2,000 MCFPD Gallons gasoline per 1,000 cu. ft. of gas Unknown

Rock pressure, lbs. per sq. in. 2200 PSI

EMPLOYEES

Dee Hatch, Driller Don Bowden, Driller

Ernie Pearson, Driller Larry Caldwell, ~~Driller~~ Pusher

FORMATION RECORD

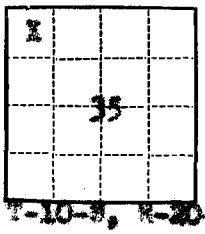
FROM—	TO—	TOTAL FEET	FORMATION
Surface	700'	750'	Uintah Interbedded ss, lt gry, gry, vf-mg and sh, grn, gry-grn and dolo-ls, red-tan micro to crypto xln, argill.
750'	1900'	1150'	Green River Sh, gry-tan, tan, red-tan, dolo to limy, firm w/v scatt. silty & sdy stringers.
1900'	2930'	430'	Sh, gry-grn, gry, gry-tan, sl/calc. sub-waxy w/interbedd ss, wh, lt gry, vf-fg, calc. and ls. crm-tan, buff, crm-wh, crypto micro-xln, oolitic, ostracodal.
2930'	4255'	1325'	Sh, sl/varicolored w/scatt. thin siltstn, & ss and ls, beds.
4255'	5672'	1417'	Sh, red-brn, red-purp., red-grn, grn, gyr-grn, with scatt thin beds of ss v/lt gry, v/lt gry-wh. vf-mg.

[OVER]

16—43094-4

MAY 18 1960

Form 9-331a
(Feb. 1951)



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 42-R358.4.
Approval expires 12-31-60.

Land Office Salt Lake City, Utah
Lease No. U-01470
Unit DeKalb-Texaco, Inc.
Uintah Unit Well # 2

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	X	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL		Running 5-1/2" Casing	X

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

May 7, 1960

Well No. 2 is located 662 ft. from {N/Sx} line and 657 ft. from {E/W} line of sec. 35

NwNw Section 35, (¼ Sec. and Sec. No.) T-10-S (Twp.) R-20-E (Range) S. L. M. (Meridian)

Wildcat (Field) Uintah (County or Subdivision) Utah (State or Territory)

The elevation of the derrick floor above sea level is 5232.0 ft. Ground

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Spudded April 10, 1960. Set Surface at 168', Top Green River 750', Top Wasatch 4255'. Drilled with clear water to 179', then converted to gasiated water, mudded up at 5391'.

Set 5-1/2" casing at 5672'. Cemented with 300 sacks regular Cement. 202 Jts. 15.5# & 14#, J-55, Natl. & CF&I. Plug down at 11:00 A. M. May 6, 1960. W. O. C. 48 hours. Will run Cement Log.

We plan to Abranijet- 2 stage- the following zones: Sand interval 5058-5084' at 5065' and 5075'. Sand zone 5584'- 5610' at 5605'. Frac with Salt water and Sand down the casing with approx. 42,000 Gal and 42,000# Sand.

I understand that this plan of work must receive approval in writing by the Geological Survey *before* operations may be commenced.

Company DeKalb Agricultural Assn., Inc.

Address Box 523

Vernal, Utah

By Paul Pugh

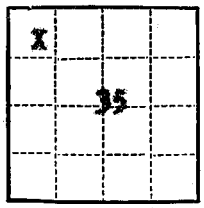
Title Manager

GPO 862040

Form 9-331a
(Feb. 1951)

Budget Bureau No. 42-R358.4.
Approval expires 12-31-60.

Land Office Salt Lake City, Utah
Lease No. U-01470
Unit DeKalb-Texaco, Inc.
Uintah Unit Well # 2



T-10-S, R-20-E

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	X
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

May 17, 1960

Well No. 2 is located 662 ft. from {N} line and 657 ft. from {E} line of sec. 35

NwNw Section 35 (¼ Sec. and Sec. No.) | T-10-S, (Twp.) | R-20-E (Range) | S. L. M. (Meridian)

Wildcat (Field) | Uintah (County or Subdivision) | Utah (State or Territory)

The elevation of the derrick floor above sea level is 5232.8 ft. Gr.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

May 8, 1960: Ran Gamma Ray Neutron Log 5580' - 3000', Top of Cement at 4564'
May 9, 1960: Abrasijet the following zones: 5606, 5073 and 5061'.
May 11, 1960: Fraced with 765 Bbls. Salt Water, 38,000# 20/40 Sand, 1120# J-94 Fluid Loss, 250# J-98 Jel, 300 Gal. Salt Plug, Max. Treating Pressure 3500# at 22 BPM. Min. Treating Pressure at 3050# at 25 BPM. ISIP 2400#, 15 Min. SIP 1800#, 1 Hour SIP 1550#, 2 Hour SIP 1175#.
May 12, 1960: Open to test, swabbed, finally kicked off flowing.
May 14, 1960: Flowing to clean up, rig release.
May 16, 1960: Flowing Potential of 2,000,000 CFGD. Casing Pressure 1825#, T. P. 1775#.
May 17, 1960: Well Shut In.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company DEKALB AGRICULTURAL ASSN., INC.

Address P. O. Box 523

Vernal, Utah

By M. C. Johnson

Title Geologist

GPO 862040

J
GWP

Budget Bureau No. 42-R356.5.
Approval expires 12-31-60.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE Salt Lake City, Utah
LEASE NUMBER
UNIT Uintah Unit

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah *County* Uintah *Field* Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of May, 1960.

Agent's address Box 523
Vernal, Utah

Company DEKALB AGRICULTURAL ASSN., INC.

Signed

Phone 1073

Agent's title Manager

Sec. and ¼ of ¼	Twp.	Range	Well No.	Date Produced	Barrels of Oil	Gravity	Cu. Ft. of Gas (In thousands)	Gallons of Gasoline Recovered	Barrels of Water (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
SESE 16	10S	21E	-0-	-0-	-0-	-0-	-0-	-0-	-0-	Shut In.
NENE 35	10S	20E	-0-	-0-	-0-	-0-	-0-	-0-	-0-	T. D. 5672'. Completed 5-17-60 Shut In

NOTE.—There were No runs or sales of oil; No M cu. ft. of gas sold; No runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

Form 9-329
(January 1950)

16—88760-6 U. S. GOVERNMENT PRINTING OFFICE

WELL HISTORY

DEKALB TEXACO
#2 UINTAH UNIT
NW NW 35, T-10-S, R-20-E
UINTAH CO., UTAH

Friday - 28th

Well History

DeKalb #

Uintah Unit #2

NW NW sec 35 - 10S R 20E

Uintah County

John Graham

RWB

DAILY DRILLING REPORT

DEKALB-TEXACO, INC.
UINTAH UNIT WELL # 2
NWNW Section 35, T-10-S, R-20-E
UINTAH COUNTY, UTAH
ELEVATION: 5232.8'

MAY 14
Opened well at 7:50 A.M., Well head pressure 1650# Shut well in at 2:50 P.M. with 325# on Casing, 50# on Tubing. Well stablized at 1½ million for last 3 hours of test.

MAY 15
Well Shut in.

MAY 16
Unable to receive message due to static on telephone system.

5-13-60 Shut In

5-14-60 T. P. 1775#, C. P. 1025#, Gauge well for Potential. Open well 10:25 A. M. through 2-1/2" Open flow.

Side Static Nipple.
1 Hour- C. P. 775#, Side Static 2-1/2#
2 Hour- C. P. 525#, Side Static 2#
3 Hour- C. P. 420#, Side Static 1-1/2#
4 Hour- C. P. 420#, Side Static 1-1/2#, Pete 3#
5 Hour- C. P. 400#, Side Static 1-1/2#, Pete 3#
Potential well at 2,000,000 CFGD.

Final Report.

DEKALB

Agricultural Association Inc.
COMMERCIAL PRODUCERS AND DISTRIBUTORS OF AGRICULTURAL PRODUCTS

U. S. Oil Division
P. O. BOX 523
VERNAL, UTAH
TELEPHONE 1073

July 20, 1964

Mr. Rodney A. Smith
U. S. Geological Survey
8416 New Federal Bldg.
Salt Lake City, Utah

RE: DeKalb Agric. Assoc., Inc.
Uintah Unit wells 2 & 3

Gentlemen:

Attached please find the original and first two carbon copies form 9-331 sundry notice of intention to abandon the above referred to wells.

Samples of the water from the artesian flow on the # 2 well and release of water well form will be submitted under seperate cover.

Very truly yours,

DEKALB AGRIC. ASSOC., INC.

J. F. Tadlock

J. F. Tadlock
Production Supt.

JFT:sk

cc: Mr. Paul W. Burcheell
The State of Utah
Oil & Gas Conservation Commission
310 New House Bldg.
10 Exchange Place
Salt Lake City, Utah

Working Interest Owners

Copy file

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO.: 11-01470

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

1. OIL WELL ☐ GAS WELL ☒ OTHER

7. UNIT AGREEMENT NAME: Uintah

2. NAME OF OPERATOR: DeKalb Agric. Assoc. Inc.

8. FARM OR LEASE NAME: Uintah

3. ADDRESS OF OPERATOR: P. O. Box 523 Vernal, Utah

9. WELL NO.: 2

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 662 FNL, 657 FWL SEC 35

10. FIELD AND POOL, OR WILDCAT: Bitter Creek

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: 35-10S-20E

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 5232 GR.

12. COUNTY OR PARISH: Uintah

13. STATE: Utah

16. **Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data**

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☒	SHOOTING OR ACIDIZING	☐	ABANDONMENT*	☐
REPAIR WELL	☐	CHANGE PLANS	☐	(Other)			
(Other)				(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

It is intented to abandon this well along the following general program: move over well with pulling unit, pull tubing, set cast iron retainer above wasatch perforation, squeeze across wasatch perforations, spot 15 SXS cemt. on top of retainer approx. 200'. Pull tubing, strip off well head weld steel plate over casing hanger.

Detailed Plugging Program

1. Set cast iron retainer @ 4850', squeeze across wasatch perforations w/ 175 SXS cemt. spot 15 SXS cemt. on top of retainer from 4850' to 4650'.
2. Remove well head, weld steel plate over casing hanger and turn over operations of the well to U.S. Govt. as an artesian water well.

Remarks: See attached data sheet for production history

18. I hereby certify that the foregoing is true and correct

SIGNED G. F. Wallace TITLE Production Supt. DATE 7-20-66

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Copy HLC

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.: 11-01470

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER

7. UNIT AGREEMENT NAME: Uintah

2. NAME OF OPERATOR: DeKalb Agric. Assoc. Inc.

8. FARM OR LEASE NAME: Uintah

3. ADDRESS OF OPERATOR: P.O. Box 523 Vernal, Utah

9. WELL NO.: 2

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 662 FNL, 657 FWL Sec. 35

10. FIELD AND POOL, OR WILDCAT: Bitter Creek

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: 35-10S-20E

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 5232 Gr.

12. COUNTY OR PARISH: Uintah

13. STATE: Utah

16. **Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data**

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☒	SHOOTING OR ACIDIZING	☐	ABANDONMENT*	☐
REPAIR WELL	☐	CHANGE PLANS	☐	(Other)			
(Other)				(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

It is intented to abandon this well along the following general program: move over well with pulling unit, pull tubing, set cast iron retainer above Wasatch perforation, squeeze across Wasatch perforations, spot 15 SXS cement on top of retainer approx. 200'. Perforate opposite Greenriver formation 2500'-2502 cement between strings useing reverse circulation. W/200 SXS Pox-mix W/25#/SX Gilsonite W/10% Gel, ½ lb. Flo-Cele & 2% CACL.

Detailed Plugging Program

1. Set cast iron retainer @ 4850', squeeze across wasatch perforations W/175 SXS cement spot 15 SXS cement on top of retainer from 4850' to 4650'.
2. Perforate opposite Greenriver formation @ 2500' reverse circulate down annulus, with 200 SXS Poz-mix W/25#/SX Gilsonite ½ lb. Flo-Cele per SX. 10% Gel. & 2% Cacl. S.I. 5½" csg. turn over operations of well to U.S. Government Bureau of Land Management as a water well. If no flow is present on 5½" csg. or annulus cap well W/10 SXS & set marker. Clean level & abandon location.

Remarks
Production Data Previously submitted.

APPROVED BY UTAH OIL AND GAS CONSERVATION COMMISSION
DATE: 9/1/64 by Paul W. Burchell
CHIEF PETROLEUM ENGINEER

18. I hereby certify that the foregoing is true and correct

SIGNED J. F. Paddock TITLE Production-Drilling Supt. DATE 8-17-64

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Copy H&C

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO.: U-01470

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

1. OIL WELL ☐ GAS WELL ☒ OTHER

7. UNIT AGREEMENT NAME: Uintah

2. NAME OF OPERATOR: DeKalb Agric. Assoc. Inc.

8. FARM OR LEASE NAME: Uintah

3. ADDRESS OF OPERATOR: P.O. Box 523 Vernal, Utah

9. WELL NO.: 2

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 662 FNL, 657 FWL Sec. 35

10. FIELD AND POOL, OR WILDCAT: Bitter Creek

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: 35-10S-20E

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 5232 Gr.

12. COUNTY OR PARISH: Uintah

13. STATE: Utah

16. **Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data**

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☐	SHOOTING OR ACIDIZING	☐	ABANDONMENT*	☒
REPAIR WELL	☐	CHANGE PLANS	☐				
(Other)				(Other)			

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

9-4-64 to 9-5-64 Moved over well with pulling unit, pulled tubing, ran Homco D.E. retainer set tool @ 4820' squeezed across Wasatch perforations W/175 SXS 50/50 poz-mix W/2 % Gel, spotted 15 SXS cement on top of retainer. Pulled out of hole laying down tubing, perforated W/schlumberger 2 glass jets/ft. oposite Greenriver 2500-2510', cemented W/100 SXS 50/50 poz-mix, W/10% gel, 25#/SX Gilsonite, ½ lb./sx Flo-Cele and 2% CACL. (278 cu. ft. slurry mix) pumped between 13 3/8" surface casing and 5½ production casing useing reverse circulation through 5½ casing. Shut in well for observation.

9-7-64 Open valve between casings no flow of water, or gas, well was dead and on a very light vaccuum.
Open well on 5½ casing well begin to flow strong Artesian Water.
Flow from 5½ casing. Flow well 35 minutes no decrease in flow from 5½ casing, no evidence of communication on annulus.
Shut in well prep. to turn over operations to U.S. Govt. Bur. Land Management as a water well.

18. I hereby certify that the foregoing is true and correct

SIGNED J. T. Pollock TITLE Production Drilling Supt. DATE 9-9-64

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING
1588 West North Temple
Salt Lake City, Utah 84116
(801) 533-5771

August 24, 1978

Depco, Inc.
1025 Petroleum Club Bldg.
Denver, Colorado 80202

Re: Well No. Ute Trail Unit #2
Sec. 17, T. 10S, R. 22E,

Well No. Ute Trail Unit #4
Sec. 27, T. 9S, R. 20E,

Well No. Uintah Unit #2
Sec. 35, T. 10S, R. 20E,
ALL Uintah County, Utah

Gentlemen:

In the process of updating this Division's Water Well files, it was noted that we have not received any recent status notification on the above mentioned well(s).

In order to keep our records accurate and up-to-date, please complete the enclosed form OGC-1b, and forward them to this office as soon as possible.

Your prompt attention to the above will be greatly appreciated.

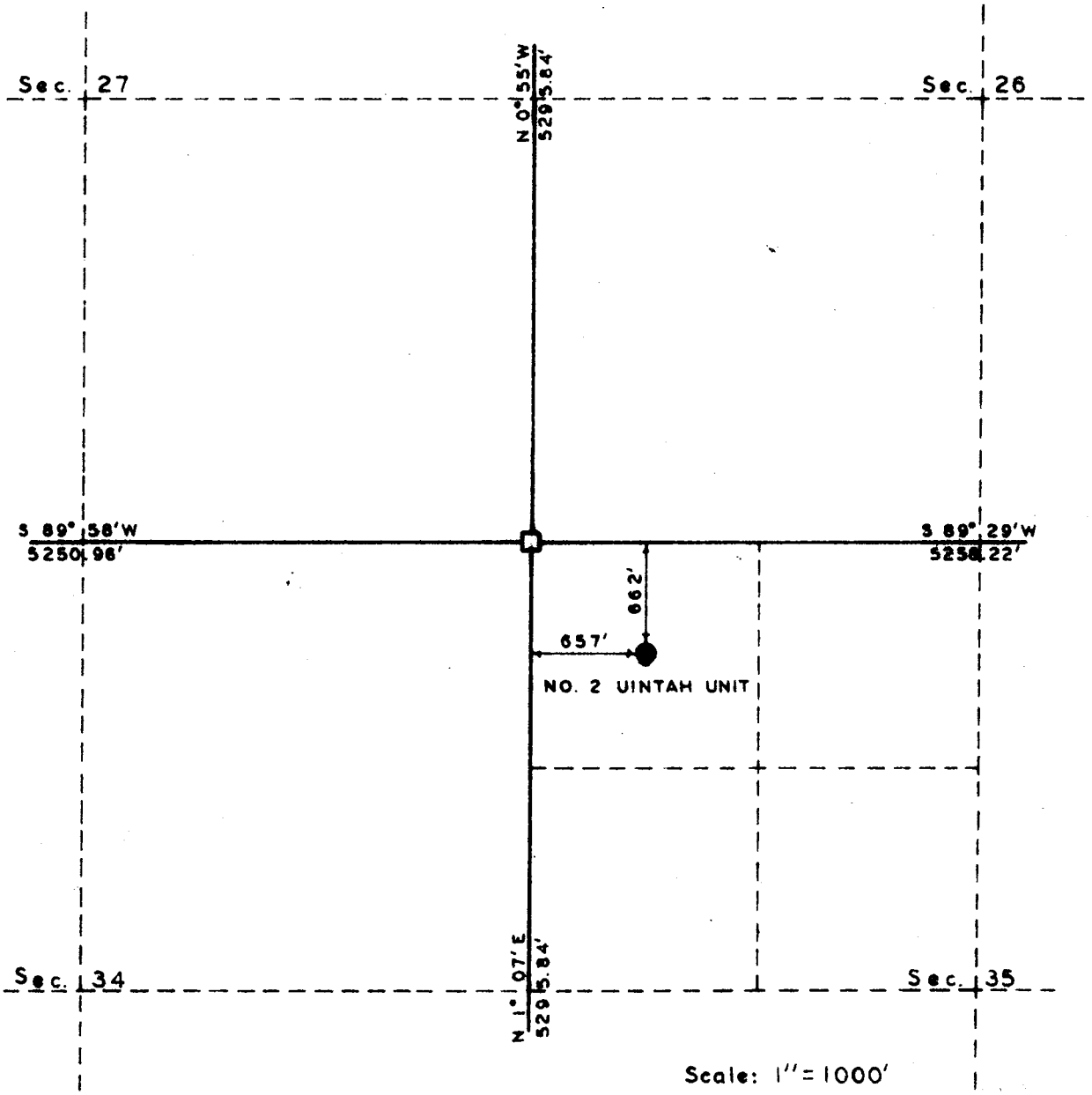
Very truly yours,

DIVISION OF OIL, GAS, AND MINING

Kathy Avila

KATHY AVILA
RECORDS CLERK

T 10 S, R 20 E, SLB & M.



Scale: 1" = 1000'

D. J. Ross

By: ROSS CONSTRUCTION CO.
Vernal, Utah

PARTY R. D. Ross, M. R. Slaugh WEATHER Cold - Clear	SURVEY DEKALB AGRICULTURAL ASSOCIATION, INC.- TEXACO, INC. - NO. 2 UINTAH UNIT, LOCATED IN CENTER NW/4, NW/4, SEC. 35, T10S, R20E, SLB&M, UINTAH COUNTY, UTAH.	DATE Feb. 24, 1960 REFERENCES USGLO Township Plat - Approved June 20, 1930 FILE Dekalb

FORM 5202

Number	Location	Operator and Well No.	Field and Area	Completion or Abandonment Date	Elevation	Age of Rocks Surface	Age of Rocks Bottom	Formation Tops		Shows or Producing Zones	Total Depth	Status
562	SESW 13 10S 18E	Mtn. Fuel #5 Unit	Uteland Butte (Island Unit)	12-29-61	4845 KB	Uinta	Mesa-verde	Green River Wasatch Mesaverde	50 4425 7365	IP 2310 mcfgpd 5602-5622-Wasatch	7450	GSI
563	NWNW 14 10S 18E	Mt. Fuel #2 Unit	Uteland Butte (Island Unit)	5-13-61	5149 DF	Uinta	Mesa-verde	Green River Wasatch Mesaverde	467 4865 7795	IP 1140 mcfgpd 7078-7102-Wasatch	8103	PGW
564	NESW 23 10S 18E	Phillips #1 Hendel-Feature 2032 ST	Uteland Butte	4-25-61	5234 DF	Uinta	Wasatch	Wasatch Tongue Wasatch	4112 4626	IP 793 mcfgpd 5840-51-Wasatch	6701	GSI
565	CSE 32 10S 18E	Phillips #2 Feature 1976-ST	Uteland Butte	1-15-61	5561 DF	Uinta	Wasatch	Green River Wasatch	530 4495		6717	P-A
566	NWSW 1 10S 19E	Mt. Fuel #7 Unit	Island Unit	10-26-63	5002 KB	Uinta	Wasatch	Green River Wasatch Tongue Wasatch	1430 4465 5000	IP 1630 mcfgpd 5934-58, 5992-6018, 6205-40, 6474-6554 Wasatch	6807	GSI
567	SWSE 31 10S 19E	Phillips #3 Feature 1977-ST	Uteland Butte	2-18-61	5383 DF	Uinta	Wasatch	Green River Wasatch	472 4358	———	6507	P-A
568	SWSW 4 10S 20E	Mt. Fuel #6 Unit	Island Unit	8-5-63	4787 KB	Uinta	Wasatch	Green River Wasatch Tongue Wasatch	1185 4200 4730	IP 2190 mcfgpd 5252-74, 5907-6010, 6140-59 Wasatch	6279	PGW
569	SESW 7 10S 20E	Mt. Fuel #1 Unit	Island Unit	1-4-61	4951 DF	Uinta	Mesa-verde	Green River Wasatch Mesaverde	1335 4680 7780	IP 23,000 mcfgpd 5487-5494, 5522-5569-Wasatch	9441	PGW
570	NESW 8 10S 20E	Mt. Fuel #3 Unit	Island Unit	11-9-62	4975 KB	Uinta	Mancos	Green River Wasatch Mesaverde Buck Tongue Castlegate Blackhawk Mancos	1235 4795 7665 9760 9810 10,260 10,670	IP 4280 mcfgpd 5485-5515, 5874-5906, 5972-6014, 6126-58-Wasatch	11,500	GSI
571	NWSE 12 10S 20E	DeKalb #3 Unit	Uintah Unit	11-12-61	5068 KB	Uinta	Wasatch	Green River Wasatch	1346 4655	IP 5300 mcfgpd 5540-5560, 5610-30, 5750-80 Wasatch	6505	PGW
572	NWNW 35 10S 20E	DeKalb #2 Unit	Uintah Unit	5-17-60	5243 KB	Uinta	Wasatch	Green River Wasatch	750 4250	IP 2200 mcfgpd 5038-83, 5587-5610-Wasatch	5672	PGW
573	SWNE 2 10S 21E	Gen. Pet. #63-2 Unit	Bitter Creek	7-5-54	5205 KB	Uinta	Wasatch	Green River Wasatch	1665 4830	25 mcfgpd Oil show 2460-2532, 4055-4132	4921	P-A
574	SESE 2 10S 21E	DeKalb #88X-2G State	Bitter Creek	6-23-57	5241 DF	Uinta	Wasatch	Wasatch	4548	Originally drilled by Havenstrite IP 1350 mcfgpd 3180-3228, 3340-60, 3620-3720, 3860-80, 4020-30, 4318-50, 4686-4712, 5200-5210, 5382-5470 Green River & Wasatch	6479	PGW
575	SENE 16 10S 21E	DeKalb #1 Unit	Bitter Creek	9-29-59	5170 KB	Uinta	Wasatch	Green River Wasatch	1250 4450	IP 5000 mcfgpd 4815-48, 5245-5314, 5505-25 Wasatch	5606	PGW
576	SWNE 23 10S 21E	DeKalb #4 Unit	Bitter Creek	12-16-61	5277 KB	Uinta	Wasatch	Green River Wasatch	980 4305	IP 1200 mcfgpd 4070-4100, 5010-45, 5575-96 Green River & Wasatch	6506	PGW
577	SWNE 1 10S 22E	DeKalb #15 Unit	Bitter Creek	12-1-61	5049 KB	Uinta	Wasatch	Green River Wasatch	855 4143	IP 6800 mcfgpd 5107-5216, 5683-5704, 5834-50 Wasatch	6004	PGW